

AD-A150 390 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
CECIL FIELD FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

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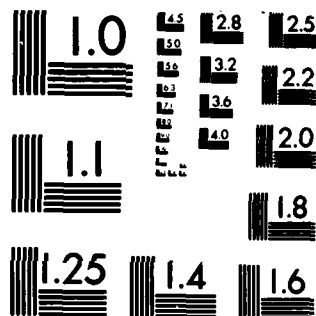
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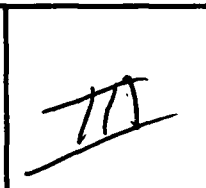
A 10x10 grid of squares. The top-left corner contains a small cluster of white squares, while the rest of the grid is black.



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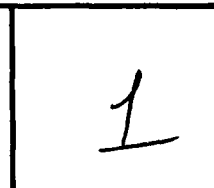
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S'MOS, Cecil Field, Fl.

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# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #93832 Cecil Field, FL  
PERIOD: HOURLY 1/73-12/82  
DAILY 1/53-12/82

JOB NO. 72006 DATE August 1984

PREPARED BY  
NAVAL OCEANOGRAPHY  
COMMAND DETACHMENT,  
FEDERAL BUILDING  
GREENVILLE, N.C. 28801

PREPARED FOR  
COMMANDER,  
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1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO. OR SUMMARY: 93832	STATION NAME Cecil Field, Florida	LATITUDE: 30°13'N	LONGITUDE: 81°53'W	STATION ELEV (FT) 80	CALL SIGN KNZC	WMO NO. USER
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## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		TSS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather Service Office	Navy		1955	30°13'N	81°53'W	80	Mercurial	Var
2.	New barometer installed	"	1955	1960	"	"	80	"	24
3.	Moved within office	"	1960	1977	"	"	*90.1	"	24
1a.	Metro Office	"	1964		"	"	*93.1	Aneroid	24

\* From 1969-1973 heights varied.  
Height reported on 1973 WBAN 10D.

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop control tower	Selsyn		63'	1. Barograph (open scale)
1a.	"	"	AN/UMQ-5		63'	2. Ceiling light (ML-121)
2.	1955	Lowered	Selsyn	Double	47'	3. Cloud height set (AN/GXQ-13B)
3.	1958	Installed 949' south southeast of Ops Bldg (replacement for selsyn)	AN/UMQ-5	RD-108	14'	4. Transmissometer (AN/GXQ-10C)
4.	1971	On top control tower	"	"	63'	5. Auto Met station (AN/GXQ-29)
5.	1975	640' SSE of Ops Bldg	"	GMQ-29	14'	

NWSD, Federal Building  
Asheville, NC

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

# ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAW data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

63-7

ALL MONTH

STATION NAME

YEARS

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	1117	2.7	77.8	.0	.4		35.1	59.0	57.7		.5	10.7	879
FEB		2.8	39.0		.0		39.0	59.4	62.8		1.4	76.6	742
MAR		1.5	74.0		.1	.2	34.0	55.0	59.7		.3	72.5	737
APR		12.0	31.2			.1	71.2	61.7	60.0		1.4	75.8	810
MAY		24.6	47.3				40.3	71.2	66.2		.5	83.4	837
JUN		37.3	33.1			.1	33.1	59.8	64.4		.5	62.2	813
JUL		52.5	52.4			.2	52.4	61.5	58.7		.2	74.9	837
AUG		47.1	50.5			.2	60.5	77.3	55.4		.2	66.1	937
SEP		35.1	53.2				53.2	70.1	70.0		.1	90.7	809
OCT		7.4	36.1			.1	36.1	64.3	62.3		.4	81.2	877
NOV		1.7	32.6				72.0	67.3	69.5		.1	83.3	810
DEC		7.7	34.0		.1		34.0	60.5	66.1		.1	73.0	837
TOTALS		11.2	43.1	.0	.1	.1	63.1	65.4	64.8		.5	70.5	9352

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# WEATHER CONDITIONS

STATION NAME SAFARI FIELD, 1 YEARS 77-78 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	21		2.5				3.8	25.1	12.1			34.9	106
	24		6.9				6.9	42.1	10.			42.7	105
	27	.3	2.4				2.4	51.3	15.4			54.9	102
	15	.9	7.5				7.5	27.3	36.7			54.2	103
	13	.3	4.5				4.5	1.8	26.2			21.4	109
	16		4.2				4.2	5.2	27.2			25.0	109
	10		7.1				7.1	4.4	12.7			29.5	108
	22		4.1				4.1	1.0	17.0			31.5	106
TOTALS		.2	7.1				7.2	22.7	19.1			29.4	2461

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# WEATHER CONDITIONS

STATION NAME: RECON FIELD, FL STATION NUMBER: 17-24 YEARS: 1952 MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01	.4	6.4				6.4	21.6	13.6		.4	37.2	2.2
	04		7.4				7.4	33.2	16.7		.4	47.5	2.2
	07	1.1	12.0				13.0	45.6	19.1		.4	57.6	2.2
	10	.7	7.1		.4		7.4	17.9	74.4		.7	5.7	2.2
	13	.4	6.0		.4		6.4	6.7	74.4		.4	33.1	2.2
	16	1.4	9.5		.4		1.9	7.1	25.7		.4	27.2	2.2
	19	.4	6.0				6.4	4.0	74.4		.4	24.7	2.2
	22		5.0				5.0	12.4	19.1		.4	35.1	2.2
TOTALS		.5	7.1		.4		7.4	7.4	12.4		.4	35.1	25.2

# WEATHER CONDITIONS

STATION COCK FIELD, FL STATION NAME COCK FIELD, FL YEARS 1950-59 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
MAY	01	.5	4.5		.5		4.5	25.2	16.5			37.4	310
	06	1.5	2.5				5.5	40.3	18.1			49.4	310
	07	1.3	6.5				6.5	54.2	25.1			65.1	310
	10	1.0	4.5				4.5	2.7	21.7			39.4	310
	13	1.9	6.5		.3		6.5	5.2	18.1			23.2	310
	15	1.0	6.5				6.5	5.5	18.1			22.6	310
	19	1.0	7.4		.3		7.7	6.1	18.1		.3	24.2	310
	22	.6	4.5				4.5	11.6	15.5		.3	25.2	310
TOTALS		1.1	5.0		.1		5.2	10.3	20.5		.1	25.2	1467

# WEATHER CONDITIONS

STATION

SCOTT FIELD, FL

STATION NAME

77-32

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
APR	01	1.3	5.3				5.3	23.3	16.7			35.3	300
	04	1.0	3.3				3.3	40.3	14.7			47.0	300
	07	1.0	4.0				4.0	55.3	27.7			67.3	300
	10	1.0	3.3				3.3	3.3	23.7			26.3	300
	13	1.7	4.7				4.7	1.3	11.0			12.3	300
	16	1.0	3.3				3.3	2.0	14.0			16.0	300
	19	1.7	5.0				5.0	2.7	18.3			25.7	300
	22	1.0	3.7				3.7	7.3	18.7			23.7	300
TOTALS		1.2	4.1				4.1	16.9	18.1			31.1	2400

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# WEATHER CONDITIONS

STATION NAME CECIL FIELD, FL STATION 72-50 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.6	2.3				2.3	71.0	24.9			45.4	217
	04	.6	2.6				2.6	52.9	24.9			64.9	712
	07	1.3	5.5				5.5	51.2	42.6			72.7	712
	10	.3	3.2				3.2	2.9	32.2			34.5	310
	17	1.9	3.9				3.9	1.0	24.5			25.5	317
	18	6.7	10.3				10.3	1.7	27.4			28.4	310
	19	2.4	2.1				2.1	2.2	25.3			29.0	710
	22	2.9	4.2				4.2	5.7	26.2			32.9	717
TOTALS		3.2	5.0				5.1	19.7	28.3			42.3	2420

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# 3 WEATHER CONDITIONS

STATION 2607L FIELD, FL STATION NAME 73-3 YEARS JULY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JULY	01	.7	2.3				2.3	2.3	10.7			52.7	300
	02	.3	2.3				2.3	53.7	24.7			72.3	300
	03	.7	4.7				4.7	4.7	52.7			92.3	300
	04	.7	4.3				4.3	1.7	35.0			37.7	300
	05	1.7	7.3				7.3	1.7	20.7			21.3	300
	06	12.0	12.7				12.7	2.3	31.3			33.7	300
	07	3.7	11.3				11.3	4.3	35.0			39.0	300
	08	2.0	7.3				7.3	10.0	20.7			36.7	300
TOTALS		3.5	6.2				6.2	1.7	34.3			45.2	2400

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# WEATHER CONDITIONS

STATION SECON FIELD, FL STATION NAME SECON FIELD YEARS 1950-51 MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.0	.3				.3	27.1	27.4			45.1	210
	04	.3	.6				.6	51.2	29.4			52.9	210
	07	.3	1.0				1.0	45.0	55.2			75.4	210
	10	.6	1.3				1.3	.6	33.1			32.7	210
	13	5.5	7.4				7.4		32.3			32.3	210
	16	13.5	15.8				13.5	1.6	33.2			34.5	210
	19	11.6	15.2				15.2	5.9	33.9			39.7	210
	22	.6	3.2				3.2	12.9	25.7			31.7	210
TOTALS		4.5	5.6				5.6	10.8	34.5			44.4	2437

# WEATHER CONDITIONS

STATION 17400 CECIL FIELD, FL 13-02 YEARS MONTH AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.0	2.3				2.3	35.5	23.0			51.0	310
	04	1.3	1.9				1.9	62.9	27.4			71.5	317
	07		1.9				1.9	70.3	44.5			84.5	310
	10	3.3	2.9				2.9	2.3	75.1			40.5	317
	13	5.3	5.5				5.5		32.3			32.3	317
	16	16.5	10.0				10.0	1.0	20.4			29.0	317
	19	12.3	13.9				13.9	4.5	29.7			33.2	310
	22	3.2	4.2				4.2	12.9	28.4			37.1	310
TOTALS		4.9	5.3				5.3	23.7	31.4			47.6	2482



## WEATHER CONDITIONS

STATION RECON FIELD, FL STATION NAME 72-00 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		4.7				4.7	25.0	25.0			52.7	200
	04		2.3				2.3	62.0	32.0			73.3	300
	07	3.3	3.0				3.0	70.2	42.7			20.0	200
	10	7.7	4.3				4.3	3.3	47.0			33.0	200
	13	2.7	5.3				5.3	7.7	25.7			35.7	300
	16	5.7	12.3				12.3	4.0	32.7			36.7	200
	19	4.0	10.7				10.7	2.3	33.2			40.3	300
	22	2.7	7.0				7.0	14.3	32.3			43.3	200
TOTALS		2.3	6.2				6.2	25.0	35.7			52.7	2000

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# WEATHER CONDITIONS

STATION 77022 AFON FIELD, FL STATION NAME 77-02 YEARS MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		2.3				2.3	37.4	23.2			50.0	310
	04		2.9				2.9	43.5	25.0			53.9	310
	07		2.9				2.9	52.9	32.3			57.7	310
	10		2.6				2.6	6.1	40.4			52.3	310
	13	1.0	5.2				5.2	3.3	71.0			32.9	310
	16	.3	5.1				6.1	3.5	25.4			72.6	310
	19	.6	4.5				4.9	6.0	71.0			37.7	310
	22	.3	2.9				2.9	13.4	31.7			42.9	310
TOTALS		.3	3.6				3.6	23.6	25.0			46.3	2400

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## WEATHER CONDITIONS

STATION REAR FIELD, FL STATION NAME REAR FIELD, FL YEARS 1950-51 MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
NOV	11		4.1				4.1	41.1	14.2			41.1	297
	04		5.4				5.4	45.5	11.1			53.6	297
	17		4.4				4.4	63.6	19.4			68.2	297
	12		2.7				2.7	17.1	43.1			52.2	297
	12		4.4				4.4	5.1	23.1			27.3	297
	16	.7	6.4				6.4	4.7	19.5			23.2	297
	10	.3	4.4				4.4	9.4	19.2			24.3	297
	22		6.1				6.1	24.6	17.5			35.7	297
TOTALS		.1	4.7				4.7	24.2	11.2			41.2	297

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# WEATHER CONDITIONS

STATION CECIL FIELD, FL STATION NAME CECIL FIELD, FL YEARS 1951-52 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		9.0				9.0	29.2	9.0			37.2	301
	04	.7	9.0	.3			9.0	42.4	10.3			46.0	302
	07		10.5				10.5	43.4	16.1			56.3	304
	10		7.3				7.3	20.1	37.5			54.6	304
	13	.3	6.2				6.2	7.2	20.6		.3	27.3	304
	16	.3	7.2				7.2	6.6	17.4			23.0	304
	19	.7	9.3				9.0	12.4	16.7			26.4	299
	22		6.3				6.0	20.4	12.4			31.4	299
TOTALS		.3	3.4	.3			6.5	22.6	17.6		.0	37.8	2417

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# WEATHER CONDITIONS

STATION 0001 FIELD FL 77-62 YEARS ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	0.2	7.1		0.0		7.2	22.7	19.6			39.4	2461
FEB		0.6	7.1		0.2		7.7	20.2	22.0		0.4	39.1	2255
MAR		1.1	5.9		0.1		5.9	19.8	20.5		0.1	35.9	2450
APR		1.2	4.1				4.1	16.9	16.1			31.1	2400
MAY		1.2	5.0				5.0	19.7	28.6			42.5	2480
JUN		1.5	6.2				6.2	15.8	24.9			48.2	2420
JUL		4.5	5.6				5.6	14.8	34.8			46.4	2480
AUG		4.9	5.3				5.3	23.7	31.6			47.6	2450
SEP		2.3	6.2				6.2	25.9	35.7			52.8	2400
OCT		0.3	3.6				3.6	21.6	30.9			46.3	2450
NOV		0.1	4.7				4.7	26.0	21.2			41.9	2371
DEC		0.3	8.4	0.3			8.5	22.8	17.6		0.0	37.5	2417
TOTALS		1.8	5.8	0.3	0.2		5.6	21.4	26.3		0.0	42.4	29105

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME SEC. FIELD, FL YEARS JANUARY 1973-DECEMBER 1982 MONTH JANUARY HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	.5	1.0						15.0	6.2	16.5			58.8
NNE	7.1	.7	5.4						35.0	7.9	18.6			45.0
NE	4.0		2.4						32.0	3.2	35.2			32.9
ENE	10.7		2.7					1.3	22.7	5.3	40.0			34.7
E	.7	1.3							17.3	5.3	26.7			53.3
ESE	1.0	2.0							15.0	8.0	20.0			44.0
SE	5.7	1.9							15.1	13.2	13.2			55.5
SSE	7.1	1.4							21.4	6.6	21.4			50.0
S	1.0	3.1						.3	14.1	7.8	15.6			57.8
SSW	1.0	3.9	1.6						11.6	8.5	17.1			56.6
SW	4.0	3.9	1.0					1.0	10.7	4.9	17.5			65.0
WSW	3.0	1.4							5.6	4.9	10.4			72.9
W	1.1	2.2							7.4	6.6	16.6			66.3
WNW	1.0		1.4						3.3	1.9	15.3			79.4
WA	3.0	1.2	1.3						10.4	1.2	11.6			75.6
NNW	1.7	.7	2.2						11.2	3.7	15.7			68.7
VARIABLE														100.0
CALM	1.3	.3							15.2	15.7	23.5			33.7
TOTAL	11.0	31	23			1		4	367	192	465			1420
% TOTAL	4.7	1.3	1.1			.0		.2	14.9	7.8	18.9			53.0

TOTAL NUMBER OF OBSERVATIONS

2,411

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION CECIL FIELD, FL

JANUARY 1973-DECEMBER 1982

MONTH FEBRUARY

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.0		3.7						17.6	4.3	25.0			51.6
NNE	7.9	1.2	7.5					.6	22.8	5.6	28.7			39.1
NE	6.0		7.3						11.3	2.1	19.8			46.9
ENE	6.7		7.8						12.0	4.3	27.6			47.6
E	4.0	2.8	.9					1.1	11.9	.9	27.5			56.0
ESE	5.6	2.8							12.4		22.2			55.6
SE	2.0	2.6							10.1	10.3	20.5			59.0
SSE	5.0	4.0							10.0	4.0	12.0			70.0
S	7.2	7.2	.9					2.7	13.5	11.7	22.5			49.5
SSW	2.0	3.9							4.9	7.8	11.8			71.6
SW	1.4	2.3	.7					.7	8.0	5.1	14.5			72.3
SSW		1.7	.6						3.3	4.1	16.9			75.0
W	.0	2.2						.9	6.2	3.4	14.2			75.0
WSW	.0	2.6	1.3			1.3			6.2	.0	16.2			74.0
WNW	7.0	2.4	.8			.6		2.4	7.9	1.6	19.0			67.5
NW	5.1							1.1	2.6	2.1	22.3			64.9
VAR														
CALM														
TOTAL	7	42	40					13	328	143	472			1312
AVERAGE	3.0	1.9	1.5			.1		.6	13.7	6.6	20.9			58.5

TOTAL NUMBER OF OBSERVATIONS

2,254

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

3

STATION: REC'D FIELD, FL STATION NAME: JANUARY 1973-DECEMBER 1982 MONTH: MARCH HOURS (L.S.T.): 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	GRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0	1.7						0.9	2.7	7.8	21.6			56.9
NNE	6.0	4.5	2.3					1.1	20.5	9.1	22.7			46.6
NNE	14.0							1.1	20.5	6.0	29.5			42.7
NNE	3.4	3.4	1.4					1.1	17.9	2.3	35.6			50.6
NNE	1.7	2.7	0.5						9.2	4.7	17.9			65.8
NNE	0	1.7							5.2	7.0	20.9			67.0
NE	4.0	3.0							11.0	6.0	21.0			52.0
NE	4.0	5.9						3.9	14.7	7.8	26.5			46.1
NE	0	2.0						0.7	5.3	8.0	20.0			66.0
NE	1.0	3.5						2.1	6.3	5.6	19.6			55.0
NE	0.7	3.4						1.4	5.5	2.7	13.7		.7	74.7
NE	1.0	3.1	.5					1.0	7.7	4.6	16.0			72.2
NE	0	1.9	1.0					1.4	6.3	5.3	16.9			73.4
NE	0	2.7	1.3					2.7	6.2	3.5	12.4			75.2
NE	3.0	4.5						0.9	5.4	3.5	14.4			75.7
NE	7.0	2.4	1.2					2.4	14.5	3.6	16.9			63.9
VARIOUS														
TOTAL	7	2	12					20	239	202	496		1	1533
PERCENT	7.0	2.5	.5			.1		1.1	11.7	9.1	20.0		.0	61.9

TOTAL NUMBER OF OBSERVATIONS 2,472



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION SECO FIELD, FL DATE JANUARY 1973-01 YEAR 1982 MONTH APRIL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.1	2.1	1.0					2.1	14.4	14.4	17.5			57.7
NNE	4.3	3.2							13.0	10.6	29.3			50.0
NE	4.1	2.9	1.0					2.9	1.7	8.7	31.1			50.5
ENE	4.0	3.0						2.0	4.5	1.0	20.0			73.0
E	7.4							2.0	2.0	3.3	21.4			71.8
ESE	3.0	2.1						2.2	6.9	3.5	14.6			75.0
SE	5.4	4.4						2.2	11.0	4.4	15.4			68.1
SSE		2.7						1.3	10.1	7.6	16.5			67.1
S	2.0	2.5						1.7	3.4	5.9	16.9			74.6
SSW		3.7						2.8	4.4	5.5	17.4			73.4
SW	1.0	2.6						1.3	4.7	3.9	20.6			67.7
WSW		2.4						1.2	7.8	4.6	16.9			73.5
W		2.6						1.0	2.1	1.6	14.7			79.0
WNW	2.0	2.6						1.7	4.3	1.7	7.0			62.6
W		1.4						1.4		4.3	8.7			87.0
WNW		1.7						1.0	5.7	3.6	11.3			77.4
VARIES														
TOTAL	4.0	46	3					2.9	213	193	434			1679
	2.0	1.7	.1					1.2	4.9	8.0	13.1			67.0

TOTAL NUMBER OF OBSERVATIONS

2,400

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME  
FEDD FIELD, FL

JANUARY 1973-DECEMBER 1982

MONTH  
MAY

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		7.3	3.7					2.3	23.4	15.1	34.6			32.2
NNE	3.4	6.9	1.1					5.7	16.1	12.6	39.1			33.3
NE		4.2						3.3	5.8	4.9	36.1			47.5
ENE		3.4						4.2	2.5	.8	37.8			57.1
E		2.2						3.1	1.6	2.6	29.1			65.2
ESE	1.2	3.0						5.4	2.4	4.5	25.9			61.4
SE	7.1	5.5	.8					7.1	7.9	6.3	23.6			54.3
SSE	2.1	7.1						6.1	9.2	5.1	26.5			56.1
S	2.1	5.3						2.0	7.6	3.9	23.7			62.5
SSW	2.1	3.9						4.3	3.9	7.8	30.4			57.8
SA		1.5						.6	4.0	7.7	20.0			69.2
WSW	1.1	3.0						3.2	5.4	8.6	21.1			65.9
W	.1	5.1						3.6	7.7	11.3	24.1			56.9
WNW	1.1	4.1						4.1	1.4	2.1	29.7			59.5
NA		7.8						7.5		7.8	15.7			68.6
NNW								5.6	5.9	8.8	32.4			50.0
VARIABLE														
CALM														
TOTAL	1	7	7					9.2	206	27	707			1324
TOTAL	1.2	3.5	.3					3.2	.4	11.2	29.5			53.5

TOTAL NUMBER OF OBSERVATIONS

2,480

JANUARY 1977 - DECEMBER 1982

### 3.2.2.2. *Environnement*

HOURS ( L.S.T. )

[illegible]

TOTAL NUMBER OF OBSERVATIONS

20

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME  
REOL FIELD, FL

YEARS  
JANUARY 1973-DECEMBER 1982

MONTH  
JULY

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	3.2						3.6	3.4	24.1	31.2			41.4
NNE	1.3	3.6						3.2	17.5	25.2	43.4			28.9
NE	2.0	5.0						6.3	7.5	8.8	45.0			40.0
ENE	.	1.3						3.2	3.6	3.6	36.9			54.1
E	.	4.5						3.3	2.5	3.3	30.1			59.8
ESE	.	7.1						6.3	.8	6.3	15.7			71.7
SE	2.4	7.1						10.7	3.6	8.3	28.6			58.3
SSE	4.5	3.4						6.5	9.3	8.4	30.8			47.7
S	2.0	5.1						4.7	4.2	14.5	24.3			55.6
SSW	2.0	3.7						5.6	6.2	3.1	27.2			58.0
SA	1.7	2.6						3.2	3.2	13.0	46.8			40.3
WSW	.	3.4						2.5	6.0	11.6	43.5			42.7
W	7.4	2.7						6.0	5.2	8.2	37.8			46.6
WNW	1.5	7.1						10.8	4.5	7.6	40.9			39.4
W		17.2						2.1	13.9	12.6	55.3			21.3
NNW		7.1						11.4	6.8	15.9	47.7			25.0
VARIABLE														
TOTAL	47	7						111	150	316	957			1158
TOTAL	1.7	3.9						4.5	6.0	12.7	34.6			48.3

TOTAL NUMBER OF OBSERVATIONS

2,400

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

CECIL FIELD, FL

JANUARY 1973-01 SEPTEMBER 1982

AUGUST

STATION NAME

YEARS

MONTH

HOURS (LST)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	4.6						5.3	21.4	27.5	39.2			20.2
NNE	1.0	4.4	.7					4.4	15.4	15.4	45.6			30.1
NE	1.7	4.3						4.3	5.2	6.6	43.1			44.6
ENE	.1	3.0						4.3	.6	2.4	33.4			54.9
E	.1	6.9	.4					6.1	1.1	2.7	28.7			59.6
ESE	1.6	2.7						7.1	.7	6.4	21.4			67.9
SE	2.7	7.3						6.3	5.0	5.0	20.0			63.8
SSE	1.1	3.4						5.7	2.0	8.0	18.4			63.2
S	2.0	4.1						8.2	4.1	10.5	30.4			52.0
SSW		6.5						2.2	4.3	10.9	19.6			63.0
SW		7.1						6.1	5.1	10.2	28.6			55.1
WSW	2.6	5.6						5.6	7.2	8.0	33.6			46.6
W	3.2	4.4						8.5	7.4	4.2	33.7			47.4
WNW		3.6						3.7	13.0	7.4	22.2			51.0
NW	1.5	9.7						25.8	16.1	9.7	32.3			25.9
NNW		6.0						5.1	13.0	16.2	36.5			31.1
VAR														
ALL														
TOTAL	32	48	3					122	242	345	791			1153
PERCENT	1.7	4.0	.1					4.9	9.5	13.3	31.5			46.7

TOTAL NUMBER OF OBSERVATIONS

2,463

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

7-11-68

LAST NAME:

JANUARY 1973 - COMM-F 1022

SECRET

**MONTH**

HOURS (L.S.T.)

DATE	TIME	WIND	DIR.	DRIZZLE	FREEDING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
20	00	00	1.0	0.5						14.2	3.2	43.4			29.7
20	01	00	4.5	1.5					1.0	1.9	15.4	37.3			37.3
20	02	00	5.4	0.5					2.7	11.4	8.2	37.7			42.4
20	03	00	0.7						4.5	4.5	1.1	37.1			51.1
20	04	00	3.0	0.4					1.0	5.1	3.5	31.0			62.7
20	05	00	0.7						5.1	5.1	7.1	34.3			53.5
20	06	00	6.3						4.1	1.4	3.1	27.7			58.1
20	07	00	4.5						3.0	4.5	16.7	19.7			56.1
20	08	00	5.2						5.6	8.9	16.0	23.5			44.4
20	09	00	5.0						1.0	10.4	9.0	20.9			52.2
20	10	00	2.9						2.0	4.5	15.7	24.3			54.3
20	11	00	0.2						1.4	2.7	6.5	28.8			54.6
20	12	00	0.2	1.0					7.1	4.2	9.4	39.6			49.1
20	13	00	7.3						5.3	10.5	10.5	47.4			35.1
20	14	00	7.2	1.8					3.2	0.1	14.5	43.5			40.3
20	15	00	4.5	2.3					1.1	13.6	12.5	40.9			37.5
20	16	00	1.1	0.2					0.0	20.7	25.4	19.3			29.7
20	17	00	0.2	1.1					5.4	27.2	35.0	85.4			103.6
20	18	00	0.8	0.5					7.3	11.3	14.6	35.6			43.1

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVY AIR FORCE

JULY 1973-01 COMFIE 1082

3001

$\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.5	1.6	3.3						10.7	12.3	29.3			47.4
NNE	1.1	1.5	3.6					.3	18.5	6.7	36.8			43.5
NE	1.2	2.0	.5						8.0	7.5	40.3			49.6
ENE		2.0	1.3					.7	1.3	2.2	39.1			52.3
E		1.3							1.2	1.2	38.4			57.3
ESE		1.0							4.7		31.3			62.5
SE									1.0	6.1	33.3			60.6
SSE									1.4	17.2	37.9			44.6
S	.1	2.1						2.1	2.1	14.6	29.2			56.3
SSW		15.6						6.7	3.4	6.5	27.6			55.2
WSW		3.2							.7	2.2	17.9			71.1
W		3.9						1.3	.1	9.1	33.8			53.2
WNW									5.3	7.5	21.1			65.4
WSW	1.2								7.0	5.5	16.3			73.3
SW		1.2							2.4	7.1	17.6			75.3
SSW	.1	.7	1.4						10.3	5.5	21.9			65.6
WSW									12.5	29.8	30.0			53.7
TOTAL		34	37					7	204	272	766			1307
AVERAGE	1.2	1.4	1.1					.3	10.6	11.0	30.9			52.7

TOTAL NUMBER OF OBSERVATIONS

2  
3  
4  
5  
6

JANUARY 1973-J. C. MEEF 1982

3543A, N

STAY	CN	NAME
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
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32	32	32
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34	34	34
35	35	35
36	36	36
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62	62	62
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78	78	78
79	79	79
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82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

**YEARS**

**MONTH**

HOURS (L.S.T.)

WIND DIRECTION	RAIN	PAIN SHOWERS	DRIZZLE	FREZZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	.3	1.7						17.2	11.	25.6			52.2
NNE	5.7	.4	2.7						25.2	9.	29.8			42.0
NE	2.	2.6	2.6						27.2	6.3	40.3			36.1
ENE	3.	1.9	1.0						11.2	2.9	31.4			53.3
E	6.1	.7	.7						15.3	2.1	25.3			63.1
ESE	1.1	1.5	1.5						13.4	3.0	11.9			70.1
SE	1.	1.9							9.4	5.7	26.4			58.5
SSE	2.	4.0						2.2	1.0	4.0	16.0			66.0
S	4.7	.9	.9						11.1	4.7	14.0			68.2
SSW	3.9	3.9							11.7	6.5	22.1			55.3
SW	1.3	4.5						2.3	1.1	6.3	20.5			56.9
WSW	4.	2.7	1.3						14.7	2.3	14.0			62.7
W	1.		1.6					.9	11.0	4.5	13.4			71.3
WNW	3.	.9	.9						10.2	6.5	11.1			70.5
NW	1.								14.2	5.9	20.0			75.0
NNW	2.2		2.						14.1					61.5
N	1.7	.2	.4						25.1	15.2	12.1			53.9
NNE	2.9	.3	.3					3	4.06	21.0	4.94			134.3
NE	2.	1.2	1.3					.1	17.1	8.9	20.3			56.9

TOTAL NUMBER OF OBSERVATIONS

31

100-443887-1



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

RECON FIELD, FL

JANUARY 1973-DECEMBER 1982

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.6	0.4	2.5	0.4					17.3	3.4	19.0			10.1
NNE	5.7		4.6						20.3	4.6	24.7			38.7
NE	14.4	1.8	9.1						42.7	1.8	17.3			34.5
ENE	1.1		1.2						15.1	3.9	27.6			49.7
E	1.0	1.3	2.5						17.5	3.3	15.0			62.5
ESE	4.0								3.3	6.3	10.4			77.1
SE	11.0								12.2	5.7	13.2			67.9
SSE	4.0	1.6	1.6						19.0	6.3	11.1			63.5
S	7.7	4.1	0.8					0.2	11.3	1.6	21.3			67.7
SSW	1.0	4.3	1.1					1.1	12.3	4.3	13.8			61.7
SW	5.0	7.0							12.8	5.0	9.3			65.1
WSW	2.0	3.3	7.8					1.4	10.0	6.6	17.9			55.7
W	1.0	1.3	1.3						3.0	4.0	12.6			71.0
WNW	1.7	2.3	1.2					0.0	12.2	1.2	10.5			75.0
NW	1.6	.7	2.1					.7	13.2	2.0	16.0			66.7
NNW	5.5		.9						0.1	.0	11.3			74.5
ALL	1.0	1.0	1.0						1.0	1.0	1.0			1.0
TOTAL	1.2	33	49	1				0	415	137	395			1433
	0	1.4	2.0	0.0				0.2	17.2	5.7	16.4			59.5

TOTAL NUMBER OF OBSERVATIONS 2,417

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: COO FIELD, FL YEARS: JANUARY 1973-01 MONTH: ALL HOURS (L.S.T.):

WIND DIRECTION	SNOW	RAIN	DRIZZLE	FREEZING RAIN	FREEZING DRIZZLE	SLEET	SHOWERS	ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2	1.4	1.7								1.1	17.3	13.0	27.9			47.1
NNE	4.4	2.5	3.0								1.3	21.7	13.0	32.4			40.2
NNE	4.0	3.2	1.9								1.7	17.8	6.4	34.2			43.4
ENE	2.7	2.9	1.1								2.1	1.0	2.6	34.7			53.3
E	1.7	2.9	.3								2.2	5.1	3.1	27.4			62.1
ESE	2.0	2.5	.1								3.7	5.5	4.9	22.8			54.1
SE	2.4	2.7	.2								3.9	7.2	7.0	23.4			59.5
SSE	4.1	4.7	.1								3.7	17.9	8.2	21.7			56.9
S	2.7	4.1	.2								3.4	7.7	8.9	22.5			58.4
SSW	2.0	4.3	.2								2.4	7.7	6.7	21.0			61.2
SW	1.0	3.3	.2								2.1	7.2	7.0	27.1		.1	61.7
WSW	1.7	3.5	.4								2.0	6.9	7.2	24.8			67.9
W	2.0	2.7	.4								2.0	6.5	6.3	23.1			64.9
WNW	1.0	2.5	.9								1.3	7.0	4.0	19.1			69.6
W	2.0	2.8	.9						.1		2.6	6.2	5.2	18.8			66.3
NNW	3.1	1.9	1.3								2.1	11.1	6.5	23.4			56.8
W																	100.0
TOTAL	73	734	214	1					6		540	3329	2901	7557		1	15830
PERCENT	2.0	2.5	.7	.0					.6		1.3	11.4	10.0	26.3		.0	54.4

TOTAL NUMBER OF OBSERVATIONS: 20102

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

### PRECIPITATION

#### SNOWFALL\*

#### SNOW DEPTH

#### DERIVED FROM DAILY OBSERVATIONS

#### DERIVED FROM DAILY OBSERVATIONS

#### DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

#### Air Force Stations

From beginning of record thru 1945	Snow depth at 0800 LST
Jan 46-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

#### U. S. Navy and Weather Bureau Stations

From beginning of record thru Jun 52	Snow depth at 0030 GCT
Jul 52-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NAME: CUCUL FIELD, FL STATION NO: 57-10 YEARS

PRECIP.	NONE	TRACE	0.1	.02-.05	.06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.0	1.0	1.0	4.4	7.5	5.9	6.2	4.5	2.7	.1				27.6	237	3.15	7.25	.35
FEB	1.0	7.4	7.0	4.3	4.1	5.0	5.5	4.7	3.4	.5				29.5	347	3.77	7.75	1.15
MAR	1.0	10.0	1.7	7.7	2.5	5.4	4.1	5.3	3.7	.5				24.6	930	3.61	6.35	.69
APR	4.0	9.0	1.7	4.0	2.4	3.9	4.0	3.9	2.4					22.4	900	2.66	6.10	.60
MAY	6.0	11.0	1.0	4.2	4.2	4.7	5.2	4.9	2.0	.4	.1			23.5	930	4.09	11.27	.47
JUN	4.0	11.0	2.7	6.3	5.1	7.2	7.4	6.9	5.9	.9	.1			43.2	900	6.69	17.25	2.31
JUL	2.0	11.0	2.7	6.0	6.1	10.3	0.5	8.5	6.1	.6				49.9	920	7.22	17.50	2.23
AUG	3.0	11.0	7.1	6.3	4.5	8.6	7.4	7.2	7.1	.5				47.0	930	7.15	16.54	2.30
SEP	4.0	11.0	3.0	7.2	3.0	7.6	6.0	5.6	3.7	1.6	.1			39.9	670	6.12	14.36	1.19
OCT	1.0	10.0	1.0	7.1	7.0	4.5	3.0	4.1	2.4	.3	.1			26.6	920	3.32	11.72	.26
NOV	6.0	11.0	1.0	4.0	2.0	4.3	2.6	2.8	1.1					21.0	110	1.67	3.98	.1
DEC	6.0	8.7	1.0	3.1	3.0	5.7	4.1	7.7	2.0	.1				25.0	637	2.94	7.17	.10
ANNUAL	1.0	1.0	7.2	5.3	7.2	6.1	7.7	5.1	3.7	.9	.0			32.1	10651	52.38		

# DAILY AMOUNTS

## PERCENTAGE FREQUENCY OF SALINITY

### (FROM DAILY OBSERVATIONS)

STATION COCOA FIELD, FL STATION NAME 53-5 YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
	SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
	SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	••	•	•	•											137	TRACE	••			
FEB	••	•	•												247	TRACE	•			
MAR	••	•	•												93	TRACE	•			
APR	••	•	•												90	TRACE	•			
MAY	••	•													470	••	••			
JUN	••														176	••	••			
JUL	••	•													671	••	••			
AUG	••	•													930	••	••			
SEP	••	•													371	••	••			
OCT	••	•													429	••	••			
NOV	••	•													430	••	••			
DEC	••	•	•												877	TRACE	•			
ANNUAL	••	•	•	•											10,211	••	×			

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(SN) DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NAME STATION FIELD, F YEARS 1950-1951

	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			
	SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			
	SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120			
JAN	7.0		6.0												27		
FEB	7.0														47		
MAR	7.0														230		
APR	7.0														200		
MAY	7.0														230		
JUN	7.0														250		
JUL	7.0														270		
AUG	7.0														270		
SEP	7.0														270		
OCT	7.0														270		
NOV	7.0														270		
DEC	7.0														270		
ANNUAL															17020		

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION

CECIL FIELD, FL

STATION NAME

YEARS

53-54

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	1.40	1.70	2.25	.27	1.4	1.79	1.25	1.50	1.37	1.41	1.70	1.70	
2	.27	.71	1.23	.79	.30	1.15	1.28		1.56	.22	.05		
3	1.44	1.57	1.40	.60	1.10	1.20	.71	2.07	1.96	1.16	.13		3.37
4	1.17	1.07	.44	1.12	1.11	1.01	1.78	1.45	.82	.34	.06		5.75
5	.17	.35	1.40	1.00	.92	2.96	2.52	1.45	4.27	2.00	.77	.45	2.96
6	.93	1.01	1.00	2.10	.67	.93	2.34	2.22	1.65	1.77	1.37	1.44	2.34
7	1.33	2.70	2.99	1.11	3.27	1.57	1.31	1.34	3.78	.78	.71	.43	3.78
8	.77	1.30	2.40	1.62	.36	1.34	2.41	1.16	3.57	1.43	.10	.74	3.50
9	.41	1.31	1.53	1.13	1.62	1.56	3.83	2.70	4.07	.23	.89	.27	4.03
10	.60	.47	1.03	1.00	1.36	3.11	3.02	1.58	.62	.05	.37	.46	3.02
11	1.09	2.04	.80	.40	.40	3.90	.35	1.31	2.64	.75	.52	1.07	3.09
12	1.20	2.20	.64	2.48	5.93	2.54	2.10	2.03	5.86	1.02	1.68	2.21	5.03
13	.41	1.53	1.60	1.35	.40	1.75	1.64	2.43	2.95	.79	1.51	1.92	2.95
14	1.00	1.70	1.07	.64	3.27	2.73	1.02	1.59	2.26	1.97	.01	1.12	2.02
15	1.37	1.80	.50	.77	.60	2.32	1.90	2.73	1.54	.42	.30	1.37	2.33
16	.40	1.14	.51	.95	2.01	7.50	1.74	4.99	1.00	1.48	.63	.34	7.50
17	.30	2.01	1.41	.30	1.27	1.30	2.40	1.08	2.30	3.40	1.19	1.26	3.40
18	1.13	4.56	4.77	1.77	1.00	1.40	1.14	1.20	.30	1.12	.04	.37	4.77
19	1.13	1.20	1.64	1.72	.71	2.33	1.36	1.89	1.17	1.30	.51	1.76	2.33
20	1.63	.75	1.98	1.02	1.44	3.33	1.27	2.71	1.53	1.71	1.26	.95	3.33
21	1.05	1.63	1.64	2.11	1.05	1.08	1.27	1.52	1.55	.50	.27	1.62	2.11
22	.40	.30	1.97	.56	3.67	1.01	2.21	1.38	3.67	.25	.35	1.11	3.67
23	1.17	.60	1.21	1.54	1.91	1.52	2.53	.70	4.00	3.25	.49	1.11	4.00
24	1.00	.91	1.51	.20	1.71	3.94	2.09	.60	2.71	.85	.86	1.50	3.94
25	.77	2.60	1.10	.65	.85	1.67	1.53	1.43	3.00	.17	1.96	1.07	3.00
26	2.60	1.10	1.24	.60	2.24	.76	1.48	1.40	1.71	1.43	.68	1.66	2.24
27	1.77	.97	.51	1.68	1.30	2.49	1.72	2.37	2.50	.49	1.10	2.77	2.72
28	1.23	.63	4.05	.77	1.25	2.15	1.12	1.54	.52	.61			
29		2.47	1.80	.94	1.63	3.00	3.53	3.31	.39	1.01			
30		.40	1.40	1.30	.53	1.63	1.40	.42	2.90	3.24			
MEAN	.41	1.53	1.57	1.10	1.54	2.22	1.98	1.78	2.20	1.44	.70	1.13	3.03
S.D.	.60	.714	.971	.550	1.248	1.354	.716	.682	1.334	1.136	.52	.677	1.277
TOTAL OBS.	37	347	630	500	370	600	630	630	70	600	610	637	1751

SMOS

## EXTREME VALUES

NO. 114116103.0  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
100-1	100-1	100-1

YEARS

14-00000 AMOUNTS IN DOLLARS  
BASED ON LIES THAT FULL MENTHER

[illegible]

## SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

3ND FALL  
(FROM DAILY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME 53-10 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
...	COCKFIELD, FL	...

24 400 AMOUNTS IN INCHES  
/ 24 400 ON LESS THAN FULL MONTHS

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION OSCEOLA FIELD, FL STATION NAME 53-10 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

SN. DEC. (FROM DAILY OBSERVATIONS)

STATION	STATION NAME
1	1000 FIELD, FL

YEARS

7-1117-390. DEPT. IN INACTIVE  
/DATED 20 LFS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

157-1932

STATION NAME YEARS

CI FIELD, FL

1977

JANUARY

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.3	6	1979			
2	.1	3	1979			
3	1.3	34	1967			
4	.3	24	1967			
5	.2	6	197			
6	.1	3	197			
7	.7	22	1959			
8	.1	23	1978			
9	.5	17	1954			
10	.1	77	1973			
11	.1	3	1975			
12	.1	43	1967			
13	.1	25	1958			
14	.1	56	1992			
15	.6	18	197			
16	.1	1	1954			
17	.2	33	1964			
18	.1	12	1955			1977
19	.6	6	1978			1977
20	.1	41	1979			
21	.1	11	1978			
22	1.2	31	1972			
23	1.4	37	1955			
24	.1	17	1955			
25	1.2	41	1965			
26	.22	31	197			
27	.1	77	1978			
28	.1	24	1977			
29	.1	22	197			
30	.4	11	1974			
31	.2	7	1979			
Monthly	.6	85	1973	.3		1977

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.21	23	1976			
2	1.43	41	1973			
3	4.56	116	1970			
4	0.25	24	1967			
5	0.67	12	1967			
6	1.14	29	1968			
7	1.57	40	1955			
8	1.02	26	1971			
9	1.3	39	1973			
10	0.76	19	1956			1973
11	1.20	30	1981			
12	1.88	48	1967			
13	0.68	25	1965			1958
14	1.53	39	1965			
15	7.31	94	1969			
16	1.07	27	1956			1977
17	0.69	18	1970			
18	2.47	63	1981			
19	1.10	33	1963			
20	0.21	5	1956			
21	0.6	22	1957			
22	0.50	13	1960			
23	1.72	34	1965			
24	1.14	29	1965			1969
25	1.30	35	1960			
26	0.66	17	1958			
27	0.29	59	1964			
28	1.3	39	1966			
29	0.12	3	1968			
30						
31						
Monthly	4.56	116	1970			1973

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1953-1982

YEARS

STATION NAME

STATION

PRECIPITATION

MONTH

PRECIPITATION

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1959			
2	1.0	25	1962			1980
3	1.0	25	1978			
4	1.0	25	1956			
5	1.0	25	1981			
6	1.0	25	1959			
7	1.0	25	1967			
8	1.0	25	1970			
9	1.0	25	1967			
10	1.0	25	1967			
11	1.0	25	1953			
12	1.0	25	1970			
13	1.0	25	1977			
14	1.0	25	1957			
15	1.0	25	1959			
16	1.0	25	1960			
17	1.0	25	1960			
18	1.0	25	1975			
19	1.0	25	1955			
20	1.0	25	1961			
21	1.0	25	1957			
22	1.0	25	1953			
23	1.0	25	1970			
24	1.0	25	1957			
25	1.0	25	1973			1982
26	1.0	25	1971			
27	1.0	25	1970			
28	1.0	25	1970			1955
29	1.0	25	1970			
30	1.0	25	1951			
31	1.0	25	1965			
Monthly	1.0	25	1970			1980

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1957			
2	1.0	25	1960			
3	1.0	25	1973			
4	1.0	25	1973			
5	1.0	25	1971			
6	1.0	25	1953			
7	1.0	25	1953			
8	1.0	25	1982			
9	1.0	25	1961			
10	1.0	25	1959			
11	1.0	25	1975			
12	1.0	25	1953			
13	1.0	25	1979			
14	1.0	25	1964			
15	1.0	25	1959			
16	1.0	25	1956			
17	1.0	25	1969			
18	1.0	25	1953			
19	1.0	25	1959			
20	1.0	25	1954			
21	1.0	25	1958			
22	1.0	25	1959			
23	1.0	25	1977			
24	1.0	25	1954			
25	1.0	25	1979			
26	1.0	25	1965			
27	1.0	25	1969			1980
28	1.0	25	1964			
29	1.0	25	1972			
30	1.0	25	1971			
31	1.0	25	1964			
Monthly	1.0	25	1964			1980

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1000-1 92

YEARS

STATION NAME

STATION

COCOA FIELD, FL

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	15	1966			
2	0.0	151	1964			
3	1.04	37	1978			
4	0.24	22	1978			
5	0.01	51	1968			
6	1.11	27	1955			
7	0.0	23	1970			
8	0.14	54	1966			
9	0.01	35	1966			
10	0.02	41	1961			
11	0.07	19	1957			
12	0.07	28	1974			
13	0.01	24	1973			
14	1.01	35	1979			
15	1.01	50	1959			
16	0.01	40	1976			
17	0.0	33	1966			
18	1.02	32	1960			
19	1.01	27	1970			
20	0.32	51	1959			
21	0.20	63	1959			
22	0.6	43	1976			
23	1.03	43	1976			
24	1.0	27	1975			
25	0.02	41	1966			
26	1.01	41	1961			
27	0.01	30	1976			
28	0.0	24	1957			
29	1.04	27	1977			
30	0.1	15	1977			
31	1.07	15	1962			
Monthly	0.0	101	1964			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	38	1967			
2	1.00	37	1979			
3	0.33	3	1974			
4	0.80	23	1957			
5	1.53	40	1959			
6	0.60	19	1966			
7	1.00	26	1959			
8	2.05	75	1957			
9	1.08	48	1966			
10	0.06	22	1971			
11	0.23	19	1971			
12	0.02	21	1960			
13	0.06	19	1962			
14	0.01	75	1962			
15	2.00	63	1979			
16	1.21	31	1961			
17	1.03	46	1960			
18	0.00	42	1977			
19	0.33	85	1972			
20	1.03	49	1973			
21	1.04	39	1977			
22	3.00	59	1963			
23	2.01	55	1980			
24	1.00	36	1970			
25	2.00	63	1979			
26	0.00	76	1981			
27	1.00	46	1965			
28	0.04	10	1976			
29	0.07	22	1956			
30	2.03	60	1966			
31	0.00	19	1966			
Monthly	0.80	190	1966			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

3

# DAILY EXTREME AMOUNTS

1952-1952

YEARS

STATION NAME

STATION

JULY

MONTH

A UST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	12 1956			
2	0.0	0.0	13 1956			
3	0.0	0.0	14 1957			
4	0.0	0.0	15 1971			
5	0.0	0.0	16 1953			
6	0.0	0.0	17 1952			
7	0.0	0.0	18 1957			
8	0.0	0.0	19 1959			
9	0.0	0.0	20 1953			
10	0.0	0.0	21 1953			
11	0.0	0.0	22 1955			
12	0.0	0.0	23 1952			
13	0.0	0.0	24 1978			
14	0.0	0.0	25 1957			
15	0.0	0.0	26 1959			
16	0.0	0.0	27 1951			
17	0.0	0.0	28 1956			
18	0.0	0.0	29 1975			
19	0.0	0.0	30 1957			
20	0.0	0.0	31 1981			
21	0.0	0.0	32 1952			
22	0.0	0.0	33 1955			
23	0.0	0.0	34 1954			
24	0.0	0.0	35 1952			
25	0.0	0.0	36 1970*			
26	0.0	0.0	37 1954			
27	0.0	0.0	38 1952			
28	0.0	0.0	39 1958			
29	0.0	0.0	40 1973			
30	0.0	0.0	41 1959			
31	0.0	0.0	42 1959			
Monthly	0.0	0.0	43 1941			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2	31	1977			
2	1.21	31	1962			
3	1.25	22	1958			
4	1.25	44	1960			
5	2.37	6	1979			
6	2.71	69	1972			
7	1.23	26	1957			
8	1.25	22	1958			
9	1.27	27	1981			
10	1.59	4	1966			
11	1.14	29	1967			
12	2.33	53	1967			
13	1.22	44	1964			
14	2.36	6	1955			
15	2.43	62	1965			
16	1.28	48	1971			
17	1.37	35	1971			
18	1.4	39	1981			
19	2.72	68	1961			
20	1.26	36	1972			
21	2.7	64	1961			
22	1.31	94	1981			
23	1.8	43	1960			
24	1.56	17	1971			
25	1.43	36	1977			
26	2.24	57	1961			
27	2.13	54	1981			
28	4.19	127	1968			
29	4.4	112	1968			
30	1.76	45	1968			
31	1.71	15	1955			
Monthly	4.9	127	1968			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



3  
NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1 37-1982

STATION NAME

YEARS

0000 FIELD, FL

MONTH

0000 SEP  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1 1977			
2	0.0	0	16 1977			
3	1.0	42	1988			
4	1.2	33	1979			
5	0.7	58	1974			
6	0.0	13	1980			
7	0.0	69	1976			
8	1.0	40	1970			
9	0.0	7	1964			
10	0.0	149	1964			
11	0.0	89	1960			
12	0.7	66	1969			
13	0.0	102	1975			
14	1.4	37	1954			
15	0.0	64	1970			
16	0.0	75	1960			
17	0.7	71	1977			
18	0.0	15	1956			
19	1.0	35	1959			
20	0.0	15	1960			
21	0.7	2	1969			
22	0.0	17	1970			
23	0.0	67	1976			
24	0.2	33	1979			
25	1.0	40	1960			
26	0.0	4	1953			
27	0.0	60	1965			
28	0.2	57	1944			
29	0.0	102	1961			
30	0.3	5	1960			
31						
Monthly	0.0	149	1964			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	51	1957			
2	0.0	15	1957			
3	1.0	50	1955			
4	1.37	35	1953			
5	0.24	62	1982			
6	0.22	56	1975			
7	1.0	36	1960			
8	1.0	42	1954			
9	0.0	21	1953			
10	1.07	50	1966			
11	0.22	6	1977			
12	0.30		1956			
13	1.43	36	1970			
14	1.05	39	1967			
15	1.4	38	1960			
16	5.75	146	1956			
17	0.0	25	1955			
18	1.07	45	1950			
19	0.0	24	1960			
20	1.12	2	1970			
21	0.0	21	1955			
22	0.0	12	1956			
23	0.0	14	1962			
24	1.0	33	1971			
25	0.0	11	1976			
26	0.0	21	1960			
27	0.1	3	1972			
28	0.25	83	1975			
29	1.0	47	1955			
30	0.2	6	1960			
31	0.40	86	1960			
Monthly	5.0	146	1956			

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1967-1968

YEARS

STATION NAME

STATION

MONTH

DECEMBER

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	12 1967			
2	0.0	0.0	13 1967			
3	0.0	0.0	14 1967			
4	0.0	0.0	15 1967			
5	0.0	0.0	16 1967			
6	0.0	0.0	17 1967			
7	0.0	0.0	18 1967			
8	0.0	0.0	19 1967			
9	0.0	0.0	20 1967			
10	0.0	0.0	21 1967			
11	0.0	0.0	22 1967			
12	0.0	0.0	23 1967			
13	0.0	0.0	24 1967			
14	0.0	0.0	25 1967			
15	0.0	0.0	26 1967			
16	0.0	0.0	27 1967			
17	0.0	0.0	28 1967			
18	0.0	0.0	29 1967			
19	0.0	0.0	30 1967			
20	0.0	0.0	31 1967			
21	0.0	0.0	1 1968			
22	0.0	0.0	2 1968			
23	0.0	0.0	3 1968			
24	0.0	0.0	4 1968			
25	0.0	0.0	5 1968			
26	0.0	0.0	6 1968			
27	0.0	0.0	7 1968			
28	0.0	0.0	8 1968			
29	0.0	0.0	9 1968			
30	0.0	0.0	10 1968			
31	0.0	0.0	11 1968			
Monthly	0.0	0.0	12 1967			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	11 1977			
2	0.0	0.0	24 1971			
3	1.0	25.4	45 1971			
4	0.0	0.0	56 1964			
5	0.0	0.0	25 1977			
6	0.0	0.0	63 1970			
7	0.0	0.0	17 1969			
8	1.0	25.4	41 1973			
9	0.0	0.0	22 1969			
10	1.0	25.4	32 1969			
11	0.0	0.0	19 1968			
12	0.0	0.0	16 1982			1982
13	1.0	25.4	45 1953			
14	1.0	25.4	42 1976			
15	1.0	25.4	34 1965			
16	1.0	25.4	27 1972			
17	0.0	0.0	21 1977			
18	1.0	25.4	21 1966			
19	1.0	25.4	40 1965			
20	1.0	25.4	36 1971			
21	0.0	0.0	24 1972			
22	1.0	25.4	27 1953			
23	0.0	0.0	17 1962			
24	1.0	25.4	42 1978			
25	1.0	25.4	27 1977			
26	0.0	0.0	10 1981			
27	1.0	25.4	40 1964			
28	1.0	25.4	35 1967			
29	0.0	0.0	6 1975			
30	0.0	0.0	21 1982			
31	1.0	25.4	37 1981			
Monthly	0.0	0.0	60 1970			1982

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET--SMOS

## PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

## EXTREME VALUES

FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

# SALES

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1957-1958

DATE YEAR DATA IN KNOWN  
BASED ON LEAST THAN 100 OBSERVATIONS FOR MONTH

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	3												WIND DAYS
2	2												WIND DAYS
3						34							WIND DAYS
4													WIND DAYS
5													WIND DAYS
6	1	2	3	4	5	6	7	8	9	10	11	12	WIND DAYS
7	13	14	15	16	17	18	19	20	21	22	23	24	WIND DAYS
8	25	26	27	28	29	30	31						WIND DAYS
9													WIND DAYS
10													WIND DAYS
11													WIND DAYS
12													WIND DAYS
13													WIND DAYS
14													WIND DAYS
15													WIND DAYS
16													WIND DAYS
17													WIND DAYS
18													WIND DAYS
19													WIND DAYS
20													WIND DAYS
21													WIND DAYS
22													WIND DAYS
23													WIND DAYS
24													WIND DAYS
25													WIND DAYS
26													WIND DAYS
27													WIND DAYS
28													WIND DAYS
29													WIND DAYS
30													WIND DAYS
31													WIND DAYS
32													WIND DAYS
33													WIND DAYS
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42													WIND DAYS
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84													WIND DAYS
85													WIND DAYS
86													WIND DAYS
87													WIND DAYS
88													WIND DAYS
89													WIND DAYS
90													WIND DAYS
91													WIND DAYS
92													WIND DAYS
93													WIND DAYS
94													WIND DAYS
95													WIND DAYS
96													WIND DAYS
97													WIND DAYS
98													WIND DAYS
99													WIND DAYS
100													WIND DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CRICUT FIELD, FL YEARS 17-82 MONTH JAN  
ALL WEATHER CLASS 01 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.2	1.6									7.5	4.8
NNE	3.6	3.2	.7	.3								7.8	4.1
NE	1.0	.7	.3	.3								2.7	5.2
ENE	1.0	1.0										2.0	3.5
E	.7											.3	1.0
ESE	.7	.7										1.3	3.0
SE	.7	.3				.7						1.3	7.8
SSE	1.6	1.3										2.9	3.1
S	2.9	.7	1.7	.3								4.9	4.4
SSW	2.3	2.2	1.7	.3								6.2	5.2
SW	1.0	1.6										2.6	4.0
WSW	1.2	2.5	.7									4.6	4.9
W	3.6	2.6	1.3	.3								10.1	4.4
WNW	1.6	2.0	2.0	.7								6.2	5.9
NW	1.6	4.9	2.0									8.6	4.9
NNW	.7	1.6	1.6									3.0	5.5
VARIABLE													
CALM												77.5	
	23.0	23.4	12.4	2.3	.3	.3						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

376

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION GEORGE FIELD, FL STATION NAME 73-02 YEARS JAN  
MONTH 04  
HOURS (L.S.T.) 04

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.0	1.6									9.5	5.0
NNE	2.7	2.0	.7									5.2	3.8
NE	.7	1.6	.7									2.9	5.0
ENE		.7										.7	4.5
E	1.0	.3										1.6	3.2
ESE	.7											.3	2.0
SE	.3	1.6										1.6	3.8
SSE	1.0	1.0		.3		.3						3.3	5.5
S	2.0	2.3	1.7	.3								5.9	5.2
SSW	.7	1.6										2.0	3.8
SW	.7	1.6	2.0									3.9	6.3
WSW	2.7	1.6	.7	.3								5.9	3.7
W	3.1	2.3	2.0	.7								9.5	4.3
WNW	2.7	2.6	.7	.7								5.6	4.5
NW	3.7	2.3	3.3									7.2	5.6
NNW	1.0	2.6	1.6	.7								5.6	5.9
VARBL												28.1	
CALM												100.0	3.4
	25.7	29.7	14.1	2.0		.3							

TOTAL NUMBER OF OBSERVATIONS

306

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COLUMBIA FIELD, FL STATION NAME 73-02 YEARS JAN  
07 MONTH 07  
HOURS (L.S.T.) 07

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	6.5	1.6									11.7	4.8
NNE	5.6	2.6	1.6									6.5	4.5
NE	1.3	1.3	1.6									3.2	4.7
ENE	.3											.3	3.0
E	.6	.7										1.9	3.3
ESE	.7	.7	.7									1.3	4.8
SE	1.0	.3	.7									1.6	3.6
SSE	1.3	1.6		.3								3.2	4.4
S	1.0	2.6	.6									4.7	4.6
SSW	1.9	1.3	1.0	.6								4.5	5.8
SW	1.6	.6	.6	.3								3.2	5.1
WSW	2.5	1.0	1.3	.6								5.5	5.3
W	6.5	1.6	.6	.7								9.1	3.6
WNW	1.0	4.5	1.3	.3								7.5	5.1
NW	1.9	3.0	2.3	.6								8.1	6.0
NNW	1.6	2.3	2.7									6.2	5.5
VARL													
CALM												22.4	
	29.2	30.5	14.6	3.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

308

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 03472 RECON FIELD, FL STATION NAME 73-22 YEARS JAN NORTH  
MOON (L.S.T.) 10

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	3.2	2.0									9.4	5.2
NNE	1.6	2.7	3.2	.6								7.8	6.4
NE	.6	3.0	1.0	.3								6.8	6.0
ENE	.2	2.3		.6								3.2	5.5
E	.6	1.0	.7									1.9	3.8
ESE	1.0	.5		1.0								2.6	6.8
SE	1.0	1.0	.7	.2								2.6	5.4
SSE	1.0	.6	.2	.3								2.3	9.4
S	1.0	2.3	3.2	1.5	.3							9.7	7.9
SSW	.6	2.3	1.0	.6	.3							5.8	6.8
SW	1.3	.3	.6	.3								2.6	5.1
WSW	.3	1.6	1.6									3.6	6.5
W	.6	1.6	4.2	1.6	.6							8.8	9.2
WNW	1.3	4.5	2.7	2.3								10.4	7.2
NW	1.3	1.0	2.0	.6								6.9	7.1
NNW	1.5	2.6	2.6	.3	.3							7.5	6.3
VARB													
CALM												8.1	
	10.0	32.1	29.6	11.2	1.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

308

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME 73-22 YEARS JAN MONTH 13 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	3.0	.6	.3								6.2	4.8
NNE	.3		.6	.6								1.6	8.8
NE	1.2	1.2	1.9	1.6								6.8	6.6
ENE	1.0	1.2	.6	1.0								4.2	6.5
E	.6	1.6	1.0									4.2	6.2
ESE	.6		.3	.3								1.3	6.3
SE	1.0	1.3	.3		.3							2.9	6.0
SSE		1.2	.2	.6								2.3	8.1
S	1.2	.3	2.6	1.6	1.2							6.5	10.1
SSW	.6	1.3	3.6	1.3	.6							7.5	9.1
SW	1.3	1.6	1.2	1.3								5.5	7.2
WSW	1.2	1.2	3.2	2.3	.6							9.1	8.9
W	1.0	2.7	5.5	6.2	.2							16.2	9.3
WNW	1.2	1.6	4.2	2.3								9.4	8.3
NW	1.0	1.6	2.2									4.9	6.4
NNW	1.2	1.2	2.6	.6								5.8	6.7
VARB													
CALM												5.5	
	15.2	23.1	32.1	20.1	2.9							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

308

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, FL STATION NAME ASHEVILLE, FL YEAR 1987 MONTH JAN  
 HOURS (L.S.T.) 16

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.2	2.3	1.6								4.2	6.4
NNE		1.2	1.9									3.9	6.3
NE	1.3	2.2	3.2	1.6								7.1	7.2
ENE	1.3	1.3	2.6	1.3								5.5	8.2
E	2.3	2.6	2.6									7.5	5.1
ESE	1.3	1.3	1.6	1.3								1.5	8.0
SE	1.3	1.3	1.3	1.3								1.5	6.3
SSE	1.3	1.3	1.3									2.6	5.9
S	1.3	1.3	2.6	1.6								4.2	3.6
SSW	1.3	2.2	1.9	1.9	1.3							6.8	8.7
SW	1.3	2.6	1.9	1.3								6.2	7.8
WSW	1.3	2.9	2.9	2.3								2.8	8.3
W	1.3	2.9	6.5	3.2								14.3	8.8
WNW	1.3	2.6	5.5	2.6								11.9	8.7
NW	1.3	1.3	2.3	1.6								4.5	7.6
NNW	1.3	1.3	2.9									5.8	6.2
VARB												3.6	
CALM													
	2.7	30.2	39.9	15.9	1.3	1.3						170.0	7.4

TOTAL NUMBER OF OBSERVATIONS

308

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION OFFIC FIELD, FL STATION NAME 73-82 YEARS JAN  
19 MONTH 19  
 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	2.7									5.8	5.9
NNE	1.9	2.6	1.5	.2								5.8	5.2
NE	1.3	2.9	1.3									5.3	4.9
ENE	.3	3.6	1.7									6.8	4.6
E	2.7	2.6	1.7	.3								6.5	5.2
ESE	2.1	1.7	1.3									5.5	4.3
SE	1.7	.6	.2									1.9	4.2
SSE	2.7	.6										2.9	3.2
S	1.9	1.3	.6	.3								3.2	5.8
SSW	1.6	1.3										2.9	3.1
SW	1.9	2.9	.6	.3								4.9	5.1
WSW	2.3	2.6	.2	.3								5.5	4.2
W	3.6	4.2	2.7									10.1	4.5
WNW	2.3	4.5	2.3	.3								9.4	5.3
NW	1.6	3.2	.6	.3								5.6	5.0
NNW	.1	2.5	.6	.5								4.2	6.2
VARBL													
CALA												13.0	
	25.2	39.6	16.9	2.9								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

308

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 03372 COCK FIELD, FL STATION NAME 73-22 YEARS JAN  
MONTH 22  
HOURS (L.S.T.) 22

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	4.2	1.0									8.9	4.3
NNE	1.0	3.4	1.0	.3								5.8	5.3
NE	1.4	2.6	1.7	.3								5.8	5.1
ENE	.3	1.2										1.6	3.9
E	1.3											1.3	2.3
ESE	1.0	1.3										2.3	2.4
SE	1.4	1.3	.3									3.2	4.0
SSE	1.0	1.0	.3	1.0								3.2	6.3
S	.4	1.0	1.3									2.9	5.7
SSW	3.2	2.3	.3	.3								6.2	4.1
SW	2.4	1.9										4.5	2.7
WSW	1.4	1.6	.3		.3							3.9	5.1
W	2.2	4.9	1.3									10.1	4.3
WNW	1.3	4.2	2.3	.3								8.1	5.8
NW	2.3	1.5	2.9	.3								6.8	5.4
NNW	1.0	2.3	1.2									4.5	5.5
VARBL													
CALM												70.8	
	27.2	35.1	13.3	2.6	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

379

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME COLE FIELD, FL STATION NAME 73-32 YEARS JAN  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.0	1.5	.1								7.9	5.0
NNE	1.7	2.0	1.2	.3								5.7	5.2
NE	1.0	2.2	1.5	.6								5.1	5.8
ENE	.7	1.4	.5	.4								3.0	5.8
E	1.2	1.1	.9	.0								3.0	4.8
ESE	.6	.7	.3	.2								2.7	5.0
SE	.6	.0	.2	.1	.0	.0						2.2	5.1
SSE	1.0	1.2	.3	.3	.0	.0						2.8	5.1
S	1.3	1.4	1.7	.7	.2							5.2	6.9
SSW	1.4	1.8	1.2	.7	.2							5.2	6.4
SW	1.0	1.4	.9	.4								4.2	5.7
WSW	1.8	1.2	1.3	.7	.1							5.9	5.3
W	2.8	2.0	3.2	1.5	.2	.0						11.0	6.4
WNW	1.2	1.3	2.6	1.1								8.5	6.5
NW	1.5	2.5	2.3	.3								6.7	5.9
NNW	1.1	2.2	2.0	.2	.0							5.4	6.0
VARBL													
CALM												16.1	
	27.0	31.1	21.0	7.5	.7	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

2460

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, FL STATION NAME ASHEVILLE, FL YEARS 1977-1978 MONTH FEB  
STATION 01 HOURS (L.S.T.) 01

ALL WEATHERED  
CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	2.5	.7								8.5	5.3
NNE	1.4	3.2	.7	.4								5.7	4.8
NNE	.4	.7	.4									1.4	5.8
ENE	1.4	1.5		.4								3.5	4.3
E	.7	.4										1.1	3.3
ESE			.4									.4	6.0
SE	1.1	.4			.4							1.6	6.4
SSE	1.6	.4	.7									2.6	3.8
S	1.9	1.4	1.4	.4	.4							5.3	6.5
SSW	1.4	.7	1.4	.7								4.3	6.7
SW	1.9	2.3	.4									5.2	4.1
WSW	2.3	2.5	1.2	.4								7.4	4.8
W	2.2	3.2	2.1	1.1								9.6	5.5
WNW	2.1	2.1	1.2	.7								7.4	5.5
NW	1.1	2.1	1.4									5.0	5.2
NNW	.4	2.1	1.4	.4								4.3	6.6
VARBL												26.6	
CALM												100.0	3.9
	29.1	27.3	16.3	5.0	.7								282

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COAL FIELD, FL STATION NAME 73-42 YEARS 1942 FIP 04  
MONTH 04  
HOURS (L.S.T.) 04

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	1.7	.4								9.6	4.7
NNE	2.7	3.7	1.7	.7								8.5	5.0
NE	1.7	.4	.7	.7								2.3	6.4
ENE	1.7											1.1	1.7
E	.4	.7										1.1	3.7
ESE	.4	.7										.4	3.9
SE	.7	.7										1.4	3.3
SSE	.4	.7		.7								1.8	8.2
S	1.4	2.5	1.7	1.7								6.0	5.9
SSW	1.4	2.7	1.4	.4								5.7	4.5
SW	.7	.4	1.7	.4								2.5	7.1
WSW	2.7	3.6	.7									6.4	4.2
W	1.7	2.2	1.4	1.4								7.5	5.3
WNW	2.5	1.4	1.7	1.7								6.0	5.7
NW	.4	1.4	2.5	1.4	.4							6.4	8.6
NNW	.7	2.5	1.7									6.0	5.4
VARB													
CALM												27.0	
	21.7	29.2	13.2	7.5	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

261

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION REDFIELD, FL STATION NAME REDFIELD, FL YEARS 73-74 MONTH FEB  
ALL WEATHER HOURS (L.S.T.) 07  
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	2.2	2.2	.7								11.2	5.6
NNE	2.2	2.2	1.4	.4								7.1	5.1
NE	1.1	.4										1.4	2.3
ENE	.7	.7	.4									1.4	4.4
E	1.1		.4									1.4	3.5
ESE													
SE	.4	.4	.4									1.1	4.7
SSE	1.1	.7	.4	1.1								3.2	7.7
S	1.1	2.5	1.1	.7	.4							6.7	6.0
SSW	.4	1.1	.7	.7								2.8	7.4
SW		2.2	1.1									3.5	5.8
WSW		.4	1.1									4.6	3.2
W	.7	.4	.4	.4								2.5	3.5
WNW	1.4	2.1	2.1	1.1								7.4	6.7
NW	1.4	2.1	2.1									6.4	5.8
NNW	1.4	2.1	1.1	.7								6.4	6.3
VARB													
CALM												26.2	
	27.0	22.0	17.7	5.7	.4							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

292

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COLE FIELD, FL STATION NAME 72-22 YEARS 19 MONTH FEB  
CLASS ALL WEATHER HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.0	2.5	2.5								13.4	6.6
NNE	2.0	3.0	2.0	1.4								10.6	6.5
NE	.4	2.4	2.1	.4								5.7	6.7
ENE		.7	2.1									2.9	7.4
E		.4	1.0	.7								2.5	9.1
ESE	1.4	.7	.4									2.5	3.7
SE	.7		.7	.4								1.6	6.2
SSE	.7		.7	.4								1.6	6.6
S	.4	1.4	2.5	1.4	.7							7.4	10.4
SSW		2.5	1.4									3.9	6.4
SW	1.4	1.4	1.4	1.4	.4							6.0	7.4
WSW	2.0	1.4	.7	.4	.4							5.7	5.9
W	1.4	2.1	1.2	1.4								8.5	7.6
WNW	.4	1.4	1.1	2.1								5.0	8.9
NW	1.4	2.0	2.2	.7								7.4	6.5
NNW	1.4	2.1	2.0	1.1								7.4	7.4
VARBL												7.1	
CALM													
	1.4	2.5	2.5	1.4	1.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION  
FEB  
MONTH  
12  
HOURS (L.S.T.)

YEARS

STATION NAME

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.5	2.5	1.1								7.5	6.4
NNE	1.1	.7	2.5	1.8								6.0	8.1
NE	1.1	3.2	2.5	.4								8.2	6.5
ENE	1.1	.4	2.1	.7								4.3	7.2
E	1.4	1.1	1.1	1.4								5.0	7.6
ESE	.4	.4	1.1	1.1								2.3	8.8
SE	.4	1.4	.4	.7								2.8	7.1
SSE	.7	.4	.7									1.8	6.0
S	1.5	1.5	2.5	1.1	.7							6.0	9.4
SSW	.7	1.1	1.1	1.1	.7	.4						5.7	9.9
SW	.7	1.1	2.5	1.8								5.0	8.2
WSW	1.1	1.8	5.0	1.4	.4							9.3	8.7
W	.4	3.2	2.5	2.8	.4							15.3	8.9
WNW	1.1	.7	3.4	1.8								7.1	8.2
NW	.7	2.5	.7	.7								4.6	6.5
NNW	1.1	.4	1.1									3.2	4.8
VARBL												3.9	
CALM												100.0	7.6
	11.6	23.7	36.4	17.8	2.5	.4							
TOTAL NUMBER OF OBSERVATIONS													291

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COLE FIELD, FL STATION NAME 13-92 YEARS FEB MONTH 16 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	2.3		.4							5.0	7.4
NNE		.4	1.3	1.3								3.9	10.0
NE	.3	1.3	2.1									4.3	6.2
ENE	1.4	2.1	4.6	1.8								9.0	7.3
E	.7	1.3	2.2	1.3								7.4	8.6
ESE		1.3	1.4	1.1								3.5	9.0
SE		1.3										1.8	4.4
SSE		1.1	.4	.7								2.1	8.5
S	.4	.7	1.1		.7							2.8	9.1
SSW			1.3	.4								2.1	9.3
SW		1.1	3.0	2.1	.4	.4						6.2	9.5
WSW	.7	1.3	3.0	3.5	1.1							11.0	10.0
W	1.1	2.2	2.4	4.6		.4						17.4	8.8
WNW	.7	2.5	3.0	2.5								7.1	7.8
NW	1.4	1.1	2.2	.7	.4							6.4	7.3
NNW	.7	.7	1.3									2.9	6.1
VARBL													
CALM												3.5	
	6.2	23.8	40.1	22.0	3.8	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00000 FIELD, FL STATION NAME 00000 FIELD, FL YEARS 73-77 MONTH FEB  
 CLASS ALL WEATHER HOURS (U.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	1.3	.7	.4							5.2	7.4
NNE	.4	2.5	1.1	.4								4.3	5.2
NE	.7	2.3	1.1	.7								6.2	5.6
ENE	2.1	7.1	1.2	.4								11.3	5.0
E	7.1	6.4	1.0									15.2	4.1
ESE	1.4	1.4										2.0	3.5
SE	.7	.4	.7									1.6	5.6
SSE	.4	1.1										1.4	4.3
S	.7	.4	.4									1.4	4.3
SSW	1.4	2.5	1.4	1.4								6.7	6.5
SW	1.0	5.3	1.1	.4								8.2	5.3
WSW	2.0	3.5	1.1	.7								8.9	4.8
W	1.0	2.2	1.3	1.1								7.4	6.4
WNW	2.1	3.7	2.1	.4								7.8	5.5
NW	1.2	1.4	.4	.4								3.9	5.2
NNW	.6	.4										.7	4.5
VARBL													
CALM												7.1	
	25.7	44.0	16.3	6.4	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION COVIL FIELD, FL STATION NAME COVIL FIELD, FL YEARS 17-22 MONTH FEB  
HOURS (L.S.T.) 22

ALL WEATHERED  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.5	1.4									5.7	5.7
NNE	2.3	3.5	.7	.7		.4						11.0	4.8
NE	1.4	1.1	.7	1.1								4.3	5.9
ENE	1.4	.5	.7									2.5	4.1
E	2.0	.7	.4									4.5	2.6
ESE	.4											.4	3.0
SE	.4	.7			.4							1.4	0.0
SSE	1.1	1.1	.4	.4								2.8	5.1
S	1.2	1.1	.7	.4								3.5	5.0
SSW	1.4	2.1	1.4	.4								5.3	5.5
SW	2.1	4.3	2.1	.4								6.9	5.6
WSW	2.5	2.5	1.4	.7								8.2	4.8
W	2.1	3.2	1.4	.4								6.7	4.9
WNW	1.4	2.1	1.4	.7								5.7	6.1
NW	1.4	2.1	.7	.4								4.6	5.5
NNW	.7	1.5										2.5	3.6
VARB													
CALM												19.5	
	20.8	37.0	17.9	5.3	.4	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-74 PER MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.2	2.3	2.2	1.1							8.3	6.0
NNE	2.1	2.3	1.6	1.9		1.0						7.1	6.0
NE	2.2	1.6	1.2	1.4	1.1							4.3	6.3
ENE	1.2	1.2	1.3	1.4								4.7	5.8
E	1.5	1.4	1.1	1.5								4.0	5.6
ESE	1.5	1.6	1.4	1.3								1.6	6.4
SE	1.7	1.7	1.7	1.1	1.1							1.7	5.9
SSE	1.7	1.7	1.4	1.4								2.2	6.3
S	1.2	1.5	1.4	1.7	1.4	1.1						4.9	7.5
SSW	1.4	1.3	1.4	1.6	1.1	1.0						4.5	6.6
SW	1.4	2.5	1.7	1.8	1.1	1.2						6.1	6.7
WSW	2.4	2.2	2.1	1.9	1.2							7.5	6.3
W	2.3	2.3	3.4	1.6	1.0	1.0						10.2	6.9
WNW	1.4	2.1	1.2	1.3								6.6	6.7
NW	1.2	2.2	1.2	1.5	1.1							5.6	6.5
NNW	1.2	1.3	1.3	1.3								4.2	6.0
VARBL												15.1	
CALM												100.0	5.4
	21.0	25.7	23.5	13.4	1.1	1.2							

TOTAL NUMBER OF OBSERVATIONS

2254

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION GEORGE FIELD, FL MAP MONTH 01  
STATION NAME 73-42 YEARS 01  
CLASS ALL WEATHER HOURS (L.S.T.) 01

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.3	.7									3.6	4.1
NNE	2.7	.6	.6									3.6	3.8
NE	1.7	1.0	.3	.3								2.2	4.7
ENE	.7	1.3	.6									2.3	5.0
E	1.7	1.6	.3									2.9	3.7
ESE	.6	.4	.1									1.6	4.2
SE	1.7	1.0	.6									3.6	4.5
SSE	1.6	1.7	1.7	.3								4.2	5.2
S	3.4	.6	1.6	.3	.3							6.5	5.1
SSW	1.3	2.7	1.6	.3	.3							6.5	6.4
SW	1.9	1.8	2.7		.3							6.5	5.9
WSW	1.3	4.2	1.0									7.4	5.3
W	2.9	2.4	.6									6.1	4.0
WNW	1.3	1.3	1.7	.3								3.9	5.4
NW	1.7	.6	.3									1.9	4.2
NNW	.1	1.0	1.0	.6								3.9	6.4
VARBL												32.7	
CALM												100.0	3.4
	24.6	74.7	15.2	2.3	1.0								

TOTAL NUMBER OF OBSERVATIONS

309

SMOS



# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC MAP NORTH  
YEARS 71-80 HOURS (L.S.T.) 04  
CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.0	1.0									5.5	4.6
NNE	2.3	1.0	.3									3.5	3.5
NE	.3	.6	.3									1.3	5.0
ENE	.3	.0		.3								1.3	6.3
E	.0	.6	.6									1.0	5.5
ESE	1.0	.2	.6									1.9	4.7
SE	.3	1.5	.3	.3								2.6	6.3
SSE	1.0	1.3	1.3									4.2	4.5
S	1.7	2.4	1.3	.3								5.2	5.6
SSW	1.1	1.5	2.3	.6								6.1	6.4
SW	.3	.6	1.6	.3		.1						2.9	9.6
WSW	3.2	1.3	.3	.3								5.8	4.2
W	3.2	3.5	1.3	.3								8.4	4.7
WNW	1.0	1.2	.6									3.5	4.0
NW	1.6	1.2	1.5	.3								5.8	5.7
NNW	1.1	2.3	.3									3.9	4.0
VARIABLE												36.1	
CALM												100.0	3.3
	21.6	24.8	14.7	2.0		.1							

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION RECON FIELD, FL STATION NAME RECON FIELD, FL YEARS 77-82 MONTH MAR  
HOURS (L.S.T.) 07

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	1.0									5.8	5.4
NNE	1.0	1.0	1.0									4.5	4.8
NE	1.0	1.0	.3									3.5	3.7
ENE	.3	.6										1.0	4.7
E				.3								.3	12.0
ESE	.6	.2	.6									1.9	5.0
SE		1.0	.6		.3							1.9	7.7
SSE	1.0	2.0	.6	.3								4.8	5.4
S	1.0	1.0	1.0		.3							5.2	6.3
SSW	1.0	1.0	1.0	.6								5.5	6.0
SW	1.0	1.0	1.0	.6								2.9	7.4
WSW	1.0	1.0	1.0	.6								5.5	5.0
W	4.0	1.0	1.0		.2							8.7	4.8
WNW	2.0	1.0	.6									5.2	1.7
NW	1.0	.6	.2	.2								3.2	4.6
NNW	.3	2.0	1.0									4.5	5.1
VARBL												35.5	
CALM												100.0	3.4
	21.9	22.3	14.5	2.8	1.0								

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION GREEN FIELD, FL MAP MONTH 10  
 YEARS 77-78 HOURS (L.S.T.) 10  
 CLASS ALL WEATHER  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.3	3.5									8.1	5.9
NNE	1.3	2.3	2.3	1.4								5.8	7.2
NE	1.7	1.2	1.2									4.5	5.1
ENE	1.0	1.5	1.5	1.3								2.9	7.7
E	1.3	1.6	1.7	1.9	1.3							6.1	7.7
ESE	1.0	1.5	1.0									3.5	5.1
SE	1.0	1.0	2.3			1.3						4.2	7.6
SSE	1.0	1.0	3.7	1.0								5.2	7.7
S	1.5	1.6	3.5	3.5	1.6							11.0	8.8
SSW	1.0	1.6	2.7	2.7	1.0							8.1	9.4
SW	1.0	1.0	1.0	1.6								2.3	9.0
WSW	1.3	1.3	1.3	1.9	1.6							6.8	10.1
W	1.7	1.3	2.7	1.6								7.1	7.1
WNW	1.0	2.6	1.0	1.6	1.7							4.2	8.8
NW	1.5	1.3	1.3	1.0								4.5	6.1
NNW	1.7	2.7	1.9	1.3								6.5	5.9
VARB													
CALM												8.1	
	15.6	25.6	30.6	16.1	2.9	1.6	1.3					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME 72-92 YEARS 13 MAP MONTH 13 HOURS (L.S.T.) 13

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	1.7	1.7								6.1	6.5
NNE	1.0	1.1	.6	.3								3.2	6.1
NE	.4	1.3	1.1	.6								4.4	6.7
ENE	.7	.3	2.7	.3								3.2	8.4
E	2.2	2.6	3.2	.6								9.0	5.9
ESE	1.7	1.9	1.6	.6								5.2	7.1
SE	.2	1.3	2.6	.6								4.8	7.3
SSE	1.0	1.0	1.7	1.6		.3						5.2	9.3
S	.3	2.0	1.6	2.3	.3							7.4	8.8
SSW	1.0	1.3	1.3	1.2	.6	.3						6.5	9.3
SW	.3	1.9	2.3	2.7	.3	.7						7.4	10.1
WSW	.2	1.7	2.7	2.3	1.3	.7						7.7	11.7
W	.4	1.7	4.2	4.2	.6	.3						11.7	10.3
WNW	.3	2.0	2.9	1.0		.3						7.1	9.3
NW	1.0	2.6	1.6									5.2	5.6
NNW	1.0	1.0	.6									2.6	5.3
VARBL													
CALA												3.9	
	13.2	27.1	31.6	19.9	3.2	1.9						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COLE FIELD, FL MAP MONTH 15  
STATION NAME ALL WEATHER YEARS 73-77 HOUR (L.S.T.) 15  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.3	1.0	1.0	0.3								2.6	6.4
NNE	0.3	1.0	1.0	0.3								1.9	6.5
NE	0.3	0.6	2.2	1.0								5.2	8.4
ENE	0.3	1.0	2.2	1.0	0.3							6.5	7.3
E	0.3	1.0	7.1	3.2								15.2	8.1
ESE	0.6	1.0	1.0	1.0								4.8	9.2
SE	0.6	1.0	1.0									3.5	6.5
SSE	0.6	1.0	1.0	0.3								3.5	5.9
S	0.6	1.0	1.0	1.0	0.3							5.8	8.7
SSW	0.6	0.6	1.0	0.6	0.3							3.5	4.5
SW	0.6	0.6	3.2	2.5	0.3							7.4	10.7
WSW	0.6	2.0	2.0	2.0	0.6							11.5	11.1
W	0.3	1.0	4.0	2.0	0.6							11.9	10.1
WNW	0.3	2.0	2.0	1.0	0.3							7.4	8.2
NW	1.0	1.0	2.0	0.3								4.8	6.5
NNW	1.0	0.3	1.0									2.3	4.7
VARBL												1.9	
CALM												100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME COLE FIELD, FL STATION NAME 73-02 MONTH MAR  
ALL WEATHER CLASS 19 HOURS (L.S.T.) 19

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	.3	.3								1.3	6.8
NNE	.3	.3	1.3	.3								1.9	8.0
NE	.3	.3	1.3	.3								2.9	7.2
ENE	1.3	4.3	1.3									7.7	4.9
E	4.3	4.7	5.3	.3								19.0	5.3
ESE	1.3	1.1	3.0									13.5	5.7
SE	1.7	1.3	1.1									3.9	5.1
SSE	.3	.3	.3		.3							1.9	7.3
S	.3	1.0	.3									1.9	5.3
SSW	1.7	1.0	1.0	.3	.3							5.5	6.3
SW	1.7	3.3	1.3	1.3	.3	.3						6.7	6.0
WSW	1.7	2.3	2.3	1.0	.3							3.1	7.3
W	2.7	1.3	2.3	1.3								7.7	6.6
WNW	1.7	1.3	.3									2.6	4.3
NW	2.3	2.3	.3									5.8	3.9
NNW	.3	.3	.3									1.3	5.7
VARBL													
CALM												6.5	
	22.6	32.0	23.0	6.1	1.3	.3						125.0	5.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COAST FIELD, FL STATION NAME 77-22 YEARS MAC  
MONTH 22 HOURS (L.S.T.) 22

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.7									4.8	4.7
NNE	1.7	1.7	1.7									3.0	4.1
NE	1.7	1.7	1.7									3.0	4.7
ENE	1.7	1.7	1.7	1.7								3.2	4.5
E	1.7	1.7	1.7	1.7								4.8	3.7
ESE	1.7	1.7	1.7	1.7	1.7							4.5	4.5
SE	1.7	1.7	1.7	1.7	1.7							7.7	4.7
SSE	1.7	1.7	1.7	1.7	1.7							3.2	4.3
S	1.7	1.7	1.7	1.7	1.7							5.5	4.6
SSW	1.7	1.7	1.7	1.7	1.7							4.5	6.4
SW	1.7	1.7	1.7	1.7	1.7							9.2	7.0
WSW	1.7	1.7	1.7	1.7	1.7							9.7	6.3
W	1.7	1.7	1.7	1.7	1.7							5.5	4.5
WNW	1.7	1.7	1.7	1.7	1.7							1.9	4.9
NW	1.7	1.7	1.7	1.7	1.7							4.5	6.7
NNW	1.7	1.7	1.7	1.7	1.7							2.7	5.3
VARBL													
CALM												21.3	
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 11-52 MONTH NOV

ALL WEATHER CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.3	1.3	.3								4.7	5.5
NNE	1.7	1.3	.3	.3								3.5	5.4
NE	.3	1.3	1.3	.3								3.5	5.9
ENE	.3	1.3	1.3	.3	.3							3.5	6.1
E	1.7	1.3	2.3	.3	.3							7.4	6.0
ESE	1.3	2.3	1.3	.4								4.0	5.8
SE	.3	1.3	1.3	.1	.3	.3						4.7	6.0
SSE	1.3	1.3	1.3	.4	.3	.3						4.1	5.3
S	1.3	1.3	1.3	1.3	.3	.3						6.1	7.1
SSW	1.3	1.3	1.3	.3	.3	.3						5.3	7.4
SW	.3	1.3	2.3	1.3	.3	.3						5.4	6.4
WSW	1.3	2.3	1.3	1.3	.3	.3						7.3	6.0
W	1.3	2.3	2.3	1.3	.3	.3						8.4	7.0
WNW	1.3	1.3	1.3	.4	.1	.1						4.6	5.5
NW	1.3	1.3	1.3	.3								4.5	5.5
NNW	.3	1.3	.3	.1								3.3	5.3
VARBL													
CALM												16.2	
	1.7	2.3	2.3	6.4	1.7	.3	.3					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2479

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC MONTH APR  
 YEARS 77-78 HOURS (U.S.T.) 24  
 CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.5									3.7	5.0
NNE	1.3	1.7										3.2	3.9
NE	.7	1.1	1.5									3.7	5.5
ENE	.7	.7										.7	3.6
E	1.0	1.5	.7									2.7	5.0
ESE	.7	.7	1.5									2.3	5.0
SE	.7	.7	1.5									2.3	5.6
SSE	1.3	1.5	1.5	.3								2.7	5.5
S	.7	1.3	1.5	.7								7.0	5.2
SSW	.7	1.3	.7									2.3	4.9
SW	1.7	1.7	1.5	.3								6.7	4.2
WSW	1.5	2.2	1.3	.3								5.7	5.2
W	1.3	2.2	1.7	.3								7.3	4.7
WNW	1.7	2.3	.7	.3								4.3	4.4
NW	1.0	1.7	.7									3.3	4.2
NNW		1.5										1.1	5.3
VARBL												10.3	
CALM													
	21.7	24.7	11.5	2.3								106.2	2.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC YEAR 1954 APE 100  
 MONTH APR  
 HOURS (L.S.T.) 04  
 ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.0	.3								4.0	5.6
NNE	1.7	1.7	.7									4.0	4.5
NE	.7	2.0		.3								3.0	5.1
ENE	.7	.7	.7									1.7	5.4
E	.7	2.0										2.7	4.0
ESE	1.0	.7	.7			.7						2.7	6.3
SE	.7	1.7	.3									2.0	5.3
SSE	.7	1.0	.3	.7								3.0	6.3
S	1.0	1.3	1.0									3.3	5.4
SSW	1.7	.3	1.0	.3								3.3	5.0
SW	2.0	1.7	.3	.3								4.0	4.4
WSW	1.7	1.7	1.7	.7								6.7	5.3
W	2.3	1.3	1.0	.7								5.3	5.4
WNW	.7	1.3	.7	.7								5.0	4.0
NW	.7	.3	1.7									2.3	5.7
NNW	1.0	2.0										3.0	4.0
VARBL												44.3	
CALM	21.7	20.3	16.7	1.7		.7						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, FL STATION NAME ASHEVILLE, FL YEARS 1988 APP 07  
MONTH 07  
HOURS (L.S.T.) 07

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.0	2.0									8.3	5.6
NNE	2.0	2.0										4.0	3.2
NE	1.7	1.3			2.0							3.3	4.9
ENE		1.3	1.3									2.7	6.5
E	1.7	2.0	1.7									4.3	4.4
ESE	1.0	1.7	1.7									2.0	3.7
SE	1.0	1.7	1.7									2.7	6.0
SSE	2.0	1.3	1.0	1.3								3.7	4.9
S	1.7	1.3	1.7	1.3								4.0	4.9
SSW	1.7	1.3	1.7	1.3								3.3	4.9
SW	1.7	1.0	1.7	1.3								8.3	4.6
WSW	3.7	2.7	1.7	1.3								5.0	6.0
W	1.3	2.0	1.7	1.3								2.3	4.0
WNW	1.0	1.0	1.7									4.0	5.0
NW	1.0	1.3	1.7	1.3								3.3	5.2
NNW	1.7	1.7	1.0									37.0	
VARBL													
CALA													
	21.7	17.7	13.0	2.0	2.7							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME CRUEL FIELD, FL STATION NAME APR  
STATION 19-52 YEARS 19  
HOURS (L.S.T.) 10

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	3.0	.7								6.7	6.6
NNE	1.0	2.7	1.0	1.3								6.0	7.0
NE	.7	.7	2.7	1.3								5.3	7.6
ENE	.7	1.0	.7	.3	.3							2.7	7.8
E	1.3	2.0	3.0	2.0	.7							10.3	8.1
ESE	1.3	2.3	1.3	1.7								6.7	7.3
SE	.3	.3	1.3	.3	.7	.3						3.0	12.1
SSE	.3	1.0	2.0	.7	.3							4.3	8.3
S	1.0	3.3	4.7	2.3	.3							11.3	8.2
SSW	.3	1.7	2.0	1.0	.3							5.3	8.1
SW	.7	1.3	.7	2.3	.3							5.0	9.8
WSW	.3	1.3	1.3	1.7		.7						5.0	9.7
W	1.7	2.7	1.7	.7	1.0							8.0	7.1
WNW	1.7	2.7	2.7	1.7								8.7	7.0
NW	.7	1.0	1.7									3.0	7.0
NNW	.7	1.3	1.3									3.0	6.3
VARBL												5.7	
CALM												100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME 12-82 YEARS APR  
MONTH 13  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.0	1.3	1.7							4.3	6.8
NNE		2.0	2.3	1.2								4.7	7.2
NE	1.0	1.0	1.0	1.7								4.0	9.0
ENE	1.0	1.0	3.7	1.3								7.0	3.1
E	1.0	3.7	3.3	7.3	1.7							12.3	9.6
ESE	1.3	1.0	4.3	7.7	1.3							7.7	8.0
SE	1.7	1.7	1.7	1.3								4.7	7.0
SSE	1.0	1.0	1.7	1.7								3.0	6.8
S	1.7	1.0	2.3	1.7	1.7		1.7					5.3	10.6
SSW	1.3	1.0	1.7	1.3	1.7	1.3						6.2	8.9
SW	1.3	1.3	2.0	2.7	1.3							7.7	9.2
WSW	1.0	1.7	3.0	1.3			1.3					6.3	9.9
W	1.3	1.0	4.0	5.0	1.7							12.3	10.6
WNW	1.7	1.7	1.7	1.7								4.3	7.4
NW	1.7	1.0	1.7	1.3								3.7	7.0
NNW		1.7	1.0	1.3		1.3						2.7	9.6
VARB													
CALM												4.3	
	13.7	19.7	35.3	22.0	4.0	1.7	1.7					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME  
CROFT FIELD, FL

YEARS  
73-82

APR  
MARCH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	.7									2.0	5.2
NNE	1.3	.3	.7	1.0								3.3	7.3
NE		1.3	2.0	2.7								6.0	9.6
ENE		1.3	3.7	2.0	1.0	.3						6.3	10.8
E	.7	3.7	9.0	6.0	.7							13.3	9.2
ESE	.7	1.0	2.0	3.3	.3							7.3	9.5
SE	.7	1.7	1.7	.3								3.7	7.4
SSE	.3	.7	.3	.7								1.7	8.6
S		1.0	.7	.7								2.2	8.0
SSW	.7	.7	2.0	2.3	.3	.3						5.7	11.2
SW	.3	.7	3.3	2.0	.3	.3						6.7	10.7
WSW	.7	3.7	3.7	2.7	.3							10.0	9.4
W	1.0	2.0	4.2	5.0	.7							13.0	9.6
WNW	.7	.7	2.7	.7								4.7	7.4
NW	.7	.7	.7	.7								1.7	9.0
NNW	1.3	.7	1.7									3.0	5.4
VARBL													
CALM												1.3	
	7.7	18.7	38.7	29.7	3.3	1.3						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COOL FIELDS, FL STATION NAME 17-22 YEARS APR  
MONTH 19  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.3	9.0
NNE	.7	.7	.7	.3								1.7	7.4
NE	.3	3.2	1.7	.3								5.3	6.1
ENE	1.3	3.0	4.2	1.0								9.3	7.1
E	2.7	2.7	4.7	1.7		.7						16.0	6.4
ESE	.7	5.1	6.2	.7								12.7	5.7
SE	.7	4.3	1.7	.3								7.6	5.7
SSE	.7	.7	.7	.7								1.3	7.8
S	.7	.7	.7	.3		.3						1.7	9.2
SSW	1.3	1.7	.7	.3								4.0	5.8
SW	2.0	2.3	4.1	1.7								10.0	7.1
WSW	1.7	2.7	7.2	.3								8.0	6.1
W	7.5	2.3	1.0	1.0								7.3	5.3
WNW	2.7	1.7	1.7									6.0	4.9
NW	.7	1.7	.7									3.0	5.1
NNW	.7		.7									1.0	4.7
VARBL													
CALM												3.3	
	16.7	18.0	31.0	8.3		.7						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME COLE FIELD, FL STATION NAME 73-82 APP MONTH  
ALL WEATHER 22  
 CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	.7									3.0	4.8
NNE	2.0	2.3	.3									4.7	3.5
NE	1.0	1.3	1.7									3.7	4.9
ENE	1.0	.7	1.3	.3								3.0	6.4
E	1.3	4.0	1.3									9.7	4.1
ESE	2.7	3.0	1.0	.3								6.7	4.6
SE	1.7	1.3	.3	.3								5.0	4.4
SSE	2.3	2.3	1.0									5.7	4.2
S	2.7	.7	.7	.7	.3							4.7	5.6
SSW	1.7	2.0	1.7	.3								5.7	5.7
SW	2.7	3.0	1.7									8.4	4.2
WSW	1.7	2.0	1.7	.7								5.7	6.4
W	1.3	2.7	1.3	.3								5.7	5.6
WNW	.7	2.0		.7								3.0	6.6
NW	.7	.7	.7		.3							2.0	6.5
NNW	.3	.3										.7	3.0
VARB													
CALM												23.1	
	29.1	29.4	14.2	3.7	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

299

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION COOL FIELD, FL STATION NAME COOL FIELD, FL YEARS 73-77 APP APR  
MONTH NORTH  
ALL WEATHERED ALL  
CLARE ALL  
HOURS (L.S.T.) MOORE

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.2	1.2	1.0							4.0	5.8
NNE	1.0	1.0	1.7	1.4								3.0	5.6
NE	1.0	1.0	1.2	1.3	1.0							4.0	6.9
ENE	1.0	1.0	1.8	1.6	1.2	1.0						4.0	8.1
E	1.0	1.0	2.0	1.6	1.3	1.0						9.0	7.3
ESE	1.0	1.0	2.0	1.5	1.1	1.0						6.0	6.9
SE	1.0	1.0	1.1	1.3	1.1	1.0						3.0	6.5
SSE	1.0	1.0	1.1	1.5	1.0							3.0	6.2
S	1.0	1.0	1.3	1.7	1.2	1.0	1.0					4.0	7.2
SSW	1.0	1.0	1.7	1.2	1.1	1.1						4.0	7.2
SW	1.0	1.0	1.7	1.2	1.1	1.0						6.0	6.9
WSW	1.0	2.0	2.0	1.0	1.0	1.0	1.0					6.0	6.9
W	1.0	2.0	2.0	1.7	1.3							6.0	7.4
WNW	1.0	1.7	1.3	1.5								4.0	6.0
NW	1.0	1.0	1.0	1.2	1.2							2.0	6.1
NNW	1.0	1.0	1.6	1.0	1.0	1.0						2.0	5.0
VARBL												19.0	
CALA												100.0	5.5
	16.7	25.1	23.1	11.2	1.6	1.4	1.1						

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CHOCOLATE FIELD, FL STATION NAME 23-32 YEARS MAY  
MAY NORTH  
HOURS (L.S.T.) 01

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	.0									4.2	4.5
NNE	2.0	1.0										3.9	2.8
NE	1.0	.0										1.6	2.3
ENE	.0	.0										1.0	3.0
E	1.0	.0	.0									1.6	3.9
ESE	1.0	1.0										2.0	3.4
SE	1.0	.0	.0	.0								2.0	4.0
SSE	1.0	1.0	.0									3.0	4.0
S	2.0	1.0			.0							7.1	4.3
SSW	1.0	1.0	1.0									3.0	4.4
SW	1.0	2.0	.0	.0								4.0	5.1
WSW	2.0	3.0	1.0									8.4	4.5
W	2.0	1.0	.0									5.0	3.6
WNW	1.0		.0									1.0	3.2
NW	.0	.0										.6	4.5
NNW	.0	.0	.0									1.0	6.0
VARBL												45.5	
CALM	25.0	21.0	6.0	.0	.0							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COOL FIELD, FL STATION NAME 73-02 YEARS MAY  
ALL WEATHER CLASS 04 MONTH MAY  
 HOURS (L.S.T.) 04

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.0
NNE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.4
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
E	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
SE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.7
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
S	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
SSW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
SW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	20.0	23.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MC CALL FIELD, FL STATION NAME 73-60 YEARS MAY  
ALL WEATHER MONTH 07  
 CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	3.0	1.0	0.5								10.0	4.0
NNE	1.0	1.0	0.7									3.6	3.7
NE	0.0	1.0										1.0	4.3
ENE	0.0	0.0										0.0	4.0
E	1.0	1.0										1.0	4.7
ESE	0.0	0.0	0.2									1.0	4.4
SE	3.0	0.0	0.0									4.0	3.0
SSE	1.0	1.0	0.0									4.0	3.0
S	0.0	1.0	1.0	0.3								0.0	4.0
SSW	1.0	0.0	0.3									0.0	3.0
SW	1.0	1.0	1.0									4.0	4.0
WSW	2.0	1.0		0.3								0.0	4.0
W	0.0	0.0	1.0	0.7								10.0	3.7
WNW	0.0	0.0	0.0									1.0	3.0
NW	1.0	0.0	0.0									1.0	3.0
NNW	1.0	1.0	0.0									2.0	4.0
VARB													
CALM												30.0	
	34.0	10.0	7.0	1.3	0.3							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1984-1985 MONTH MAY  
 HOURS (L.S.T.) 12

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	1.0	1.3								7.5	5.7
NNE	1.0	2.0	1.0	1.0								5.0	5.9
NE	1.0	1.0	1.0	1.3								2.7	5.9
ENE	1.0	1.0	2.0									5.5	5.3
E	1.0	2.0	1.0									7.4	4.0
ESE	1.0	1.0	1.0									4.0	6.2
SE	1.0	1.0	1.0	1.0								4.0	7.4
SSE	1.0	1.0	1.0									4.0	4.5
S	1.0	1.0	2.0	1.0								10.0	5.5
SSW	1.0	2.0	1.0	1.0								4.0	7.4
SW	1.0	1.0	2.0	1.0								7.7	7.3
WSW	1.0	1.0	2.0	1.0								2.1	4.6
W	1.0	1.0	2.0	1.0								11.0	6.2
WNW	1.0	1.0	1.0	1.0								6.5	3.2
NW	1.0	1.0	1.0	1.0								2.6	6.0
NNW	1.0	1.0	1.0	1.0								1.6	5.8
VARBL													
CALM												9.7	
	27.0	31.3	27.7	6.0	1.0							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COAST FIELD, FL STATION NAME 13-22 YEARS MAY  
ALL WEATHER MONTH 17  
CLASS HOURS (LST) 17

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.3	.2								3.2	5.4
NNE	.1	2.2	.2	.2								3.2	5.5
NE	2.2	1.3	.2	.2								5.2	4.3
ENE	1.7	1.3	2.2	1.7								6.4	6.7
E	1.7	1.3	.2	1.6		.2						14.6	7.3
ESE	1.7	2.2	1.3	.2								7.2	6.6
SE	.2	1.7	.2	.2								2.2	5.4
SSE	1.7	1.3	.2	.2								3.2	5.1
S	2.2	2.2	.2	.2	.2							6.6	5.7
SSW	.2	1.3	2.2	.2	.2							5.5	5.4
SW	1.7	2.2	2.2	1.3	.2							6.6	7.1
WSW	1.7	1.3	2.2	2.2								6.4	3.4
W	1.7	2.2	2.2	1.3								11.3	7.2
WNW	1.7	.2	.2	1.3								3.2	6.1
NW	1.7	1.3	1.3									3.2	5.3
NNW	.2	.2	.2									1.1	5.3
VARBL													
CALM												4.2	
	21.2	20.7	31.2	17.2	6.6	.2						102.2	6.5

TOTAL NUMBER OF OBSERVATIONS

310

AD-A150 390

### SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)

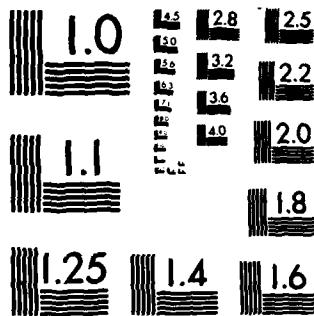
2/4

**UNCLASSIFIED**

F/G 4/2

NL

A 10x10 grid of squares, with the top-left square missing.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

CECIL FIELD, FL

STATION NAME

13-92

YEARS

MAY

MONTH

STATION

ALL WEATHER  
CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0		.3								1.9	5.0
NNE	.3	1.0	.6									1.9	5.5
NE	.6	1.0	.6	.6								2.9	6.9
ENE	.3	1.9	5.5	3.5								11.3	8.9
E	1.3	4.2	9.4	2.9	.6							18.4	8.4
ESE	1.3	3.2	3.5	1.6								10.3	6.9
SE	1.0	3.5	2.3	1.3								8.1	7.2
SSE	.6	.6	1.3	.3								2.9	7.0
S	.3	.6	1.3	.6	.3							3.2	9.7
SSW	1.6	1.0	1.9	1.3								5.8	6.8
SW		1.6	1.0	1.3	.3							4.2	8.9
WSW	.3	3.2	3.5	2.3	.6							10.0	9.0
W	.3	3.5	3.2	2.9								10.0	8.3
WNW	1.6	.6	1.9	.3								4.5	6.0
NW	.3	1.3	.3									1.9	5.2
NNW	.3	.3	1.0									1.6	7.2
VARBL													
CALM												1.0	
	11.0	29.4	37.4	19.4	1.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME 73-82 YEAR MAY  
 ALL WEATHER CLASS 19 MONTH MAY  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	.3									1.3	5.5
NNE	.6	2.3		.6								3.5	5.6
NE	.6	1.0										1.6	3.8
ENE	1.6	4.8	2.6									9.0	5.5
E	3.9	9.4	7.4	1.0								21.6	6.1
ESE	1.9	7.4	6.8	1.0								17.1	6.2
SE	1.6	3.9	1.6									7.1	5.2
SSE		1.0	1.0	1.0	.3							4.2	8.6
S	3.3	1.3	.6	.2								4.5	4.9
SSW	2.3	1.0	.3	.3								3.9	4.1
SW	1.0	1.3	1.6	1.3								5.2	7.2
WSW	1.9	1.9	2.3	.3								6.5	5.7
W	.3	1.3	1.3									2.9	6.3
WNW	1.3	1.3	.3									2.9	4.1
NW	1.0	1.9	.3		.3							3.5	5.5
NNW	.6	.6	.2									1.6	4.4
VARBL													
CALM												3.5	
	21.0	42.3	26.4	5.8	.6							170.0	5.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

COCOA FIELD, FL

STATION NAME

YEAR

73-82

MAY

MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.0	.5	.3								3.2	5.4
NNE	2.4	.5										3.2	2.7
NE	2.6											2.6	2.5
ENE	.4	1.2										2.6	3.9
E	5.5	1.9										7.4	2.6
ESE	3.2	2.5	1.3									7.1	4.4
SE	5.2	2.3	1.0	.3								8.7	3.9
SSE	2.5	2.6	.3									6.5	3.2
S	4.2	1.2	.5	.3								7.1	4.0
SSW	.6	1.3	.6									2.6	5.0
SW	1.6	1.3	3.9									6.8	6.5
WSW	.6	1.0	2.3	.6								4.5	7.2
W	2.3	1.2	1.7									5.2	4.8
WNW	1.2	1.0										1.9	3.5
NW	.6	.6										1.3	4.0
NNW		.3										.3	6.0
VARBL													
CALA												29.0	
	35.5	22.3	11.6	1.6								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 07672 CECIL FIELD, FL STATION NAME 73-82 YEARS MAY MONTH ALL MONTHS (U.S.T.)

ALL WEATHERED  
CLEAR

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.5	.6	.2								4.3	4.8
NNE	1.5	1.5	.4	.2								3.5	4.5
NE	1.1	.3	.3	.2								2.5	4.7
ENE	.2	1.5	1.8	.5								4.8	6.7
E	1.0	3.2	3.1	.7	.1	.0						9.2	6.3
ESE	1.4	2.7	2.2	.4								6.7	5.9
SE	2.1	1.7	1.0	.4								5.1	5.2
SSE	1.5	1.4	.7	.2	.1	.0						4.0	5.3
S	2.6	2.1	.9	.3	.1							6.1	5.0
SSW	1.4	1.3	1.0	.4	.1							4.1	5.8
SW	1.3	1.6	1.6	.6	.1							5.2	6.6
WSW	1.9	2.6	1.8	1.7	.1							7.5	6.5
W	2.3	2.6	2.3	.6								7.9	5.9
WNW	1.1	1.1	.4	.3								3.0	5.1
NW	.9	.8	.4	.0	.0							2.1	5.1
NNW	.4	.4	.5									1.4	5.3
VARIABLE													
CALM												22.8	
	27.9	27.3	19.5	5.3	.6	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

92530 CECIL FIELD, FL

STATION NAME

73-82

YEARS

JUN

MONTH

DATE

ALL WEATHER

01

NOVEMBER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	2.3	.3									5.7	3.5
NNE	2.3	1.7	1.0									5.0	4.1
NE	.7		.3									1.0	4.0
NNE	.3	1.0										1.3	4.6
E	2.3	.7										3.0	2.8
ESE	1.0	1.7										2.7	3.5
SE	1.3	.7	.7									2.7	4.3
SSE	3.0	2.3										5.3	3.4
S	7.0	2.0										9.0	2.8
SSW	5.0	1.0	.7									6.7	3.1
SW	1.7	2.0	.3									4.0	3.9
WSW	4.3	3.7	.7	.3								9.0	4.0
W	2.0	1.3	.7									4.0	4.0
WNW	.7	.7										4.0	3.3
NW	.3		.3									.7	6.5
NNW	1.0	.7	.3									2.0	4.0
VARA													
CALA												36.7	
	35.0	21.7	5.3	.3								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

CECIL FIELD, FL

STATION NAME

73-R2

YEARS

JUN

MONTH

ALL WEATHER

CLASS

04

MOVES (U.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	1.7	1.3									5.7	4.3
NNE	4.7	1.3	.3									5.7	3.0
NE	.7	.7										1.3	3.3
NNE	.3	.7	.7									1.3	5.0
E	.3	.3										.7	4.5
ESE	1.0	.3										1.3	3.0
SE	2.0	.3	.7									2.7	3.0
SSE	2.3	.7	.7									3.3	3.1
S	4.0	2.3	.3									6.7	3.2
SSW	2.3	.3										2.7	2.9
SW	3.3	1.3										4.7	2.9
WSW	4.0	2.0	1.3									7.4	3.7
W	5.7	2.3	1.0									8.0	3.4
WNW	1.0	.7	.3									2.0	3.8
NW	1.0	.7										1.7	3.2
NNW	.3	.3	.7									1.3	5.3
VARB.													
CALM												43.5	
	34.8	15.4	6.4									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-12  
STATION

CECIL FIELD, FL

STATION NAME

73-92

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	3.7	1.7									9.4	4.3
NNE	2.7	2.0		.3								5.0	3.6
NE	1.3	1.7	1.0									4.0	4.9
ENE	1.0	.3										1.3	2.5
E	.7	.3										1.0	2.0
ESE	.7	1.0										1.7	3.6
SE	.3	.3	.3									1.0	5.3
SSE	1.0	2.3	.3									3.7	4.3
S	3.3	3.3		.3								7.0	3.6
SSW	2.3	3.3										5.7	3.4
SW	1.7	1.3										5.0	2.7
WSW	6.4	3.0	2.7									12.0	4.0
W	6.7	4.3	1.0									12.0	3.6
WNW	1.7	1.7										3.3	3.7
NW	.7		.7									1.3	5.3
NNW	1.3	.3										1.7	2.8
VARB													
CALM												24.7	
	37.8	29.1	7.7	.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 07812 CECIL FIELD, FL STATION NAME 73-82 YEARS JUN MONTH 10 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.0	.7									3.0	4.1
NNE	2.0	2.7	.7	1.0								6.2	5.5
NE	2.0	2.0	1.7									5.7	5.1
ENE	1.3	2.0	1.3	.3								4.7	6.2
E	1.7	.7	2.3	.3								5.0	6.2
ESE	1.3	.7	1.3									3.3	4.8
SE	.3	2.0		.3								2.7	5.6
SSE	.7	1.3	.3									2.3	4.6
S	1.0	2.0	1.7	.7								5.3	6.3
SSW	1.3	3.7	1.0									6.0	5.0
SW	1.7	4.0	1.0									6.7	5.1
WSW	.7	2.0	1.7	.7								5.0	6.4
W	4.3	6.7	6.7	1.0								20.7	6.0
WNW	2.0	3.0	2.7									7.7	5.3
NW	.7	1.0	1.0									2.7	5.1
NNW	.7	.3	1.3									2.3	6.1
VARBL													
CALM												10.7	
	22.7	37.0	25.3	4.3								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 28327 CECIL FIELD, FL 73-82 YEARS MONTH JUN HOURS (L.S.T.) 13

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	.3								3.7	6.2
NNE	2.0	1.0	1.0	.3								5.0	5.0
NE	.7	1.0	3.0	1.0								5.7	8.1
ENE	1.0	4.0	4.0	2.0								11.3	7.1
E	1.0	2.0	2.0	1.0								7.0	6.7
ESE	.7	1.0	1.0	.3								3.3	6.7
SE	1.0	.3	.3									2.3	3.4
SSE	.7	2.0	1.0									4.0	5.3
S	.7	1.0	1.0	.3								5.3	4.8
SSE	1.0	1.0	2.0	1.0								5.0	7.4
SW	.3	1.0	2.0									3.7	7.0
WSW	1.0	3.0	3.0	.3	.7							8.7	7.0
W	.7	6.0	7.0	1.0	.3							17.3	6.8
WNW	.3	2.0	3.0									7.3	5.4
NW	.7	1.0	.3									2.3	4.9
NNW	1.0	1.0	.3									2.3	4.1
VARBL													
CALM												5.7	
	30.3	31.0	34.0	8.0	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CRON FIELD, FL STATION NAME 73-92 YEARS JUN  
MONTH 16  
HOUSE (L.S.T.)

ALL REAIED  
CLAS

CONVENTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.7	.3								1.7	7.6
NNE	.3	.3	1.7	1.3								3.7	9.5
NE	1.7	.3	2.7	1.7								5.7	8.4
ENE	.7	2.7	3.7	3.0								10.0	8.2
E	3.0	2.7	9.3	2.3	.7							18.0	7.7
ESE	1.7	1.7	2.3	.7								7.3	6.6
SE		2.3	3.0	.7								6.0	7.3
SSE		1.7	1.7	.7								2.7	7.9
S	.3	3.0	1.7	1.0								6.0	7.1
SSW	2.0	1.7	2.0	.3								6.0	5.6
SW	1.7	2.7	2.3	1.0								7.0	6.6
WSW	1.7	2.3	3.0	1.0								7.3	7.2
W	1.7	3.7	2.7	1.3								9.0	6.8
WNW	.7	.7	1.7	.7								3.7	7.1
NW		.3	.3									.7	8.0
NNW	1.0	1.0	1.7	.3								4.0	6.2
VARBL													
CALM												1.3	
	14.3	25.7	40.7	16.3	.7							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CECON FIELD, FL STATION NAME 13-82 YEARS JUN  
19 MONTH 19  
 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	.7	.7								2.2	8.7
NNE	.7	1.7	1.3									3.7	5.5
NE	1.0	.7	2.3	.3								4.3	6.4
ENE	2.0	2.7	3.3	2.0								10.7	6.8
E	1.0	7.7	6.0	1.3								16.0	6.8
ESE	1.0	8.0	3.0	.3								12.3	5.6
SE	1.7	2.3	1.2									5.3	4.8
SSE	1.0	.7	1.0	.3								3.0	6.6
S	3.0	4.7	1.2	.7	.3							9.3	4.9
SSW	4.0	3.0	1.3									8.3	4.1
SW	1.7	1.7	1.3	.3								5.0	5.2
WSW	2.3	2.7	1.7	.7								7.0	5.4
W	1.7	2.3	1.0									5.0	4.6
WNW	.7	.3	.3									1.3	4.8
NW	.7	1.0	.3		.7							2.7	7.9
NNW		.7										.7	5.5
VARB													
CALM												3.3	
	22.3	41.7	25.3	6.3	1.0							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 06016 FIELD, FL STATION NAME 73-02 YEARS JUN

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	.7	.3								3.7	5.4
NNE	1.3	1.7	1.0									4.0	4.7
NE	0.0	.3	.7									3.0	2.6
ENE	2.7	1.7										4.3	3.2
E	4.0	.7		.3								6.0	2.8
ESE	2.7	3.3	.7	.3								6.7	4.3
SE	3.0	2.7	.7									6.0	3.4
SSE	6.0	3.7	.7									8.0	3.4
S	6.7	3.0	1.0									9.7	3.5
SSW	4.0	2.0	.7									6.7	3.4
SW	3.7	1.3	.3	.3								5.7	3.8
WSW	2.7	2.0	1.3									5.7	4.5
W	2.7	3.3	1.3	.7								6.7	4.9
WNW	.3	.3										.3	4.0
NW	1.0	.7	.3									2.0	4.5
NNW	.7	.7	1.3									2.0	6.3
VARBL													
CALM												19.7	
	40.7	29.7	9.7	1.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION COAST FIELD, FL STATION NAME 13-52 YEARS JUN  
ALL WEATHER MONTH NORTH  
ALL HOUR (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.5	1.5	1.2								4.3	4.9
NNE	1.9	1.6	1.5	1.4								4.8	4.9
NE	1.1	1.9	1.3	1.4								3.8	5.2
ENE	1.2	2.2	1.5	1.5								5.6	5.5
E	1.2	1.9	2.5	1.7	1.1							7.1	6.3
ESE	1.3	2.2	1.2	1.2								4.8	5.3
SE	1.3	1.4	1.1	1.1								3.6	4.8
SSE	1.5	1.5	1.6	1.1								4.0	4.4
S	1.4	2.7	1.8	1.3	1.0							7.3	4.3
SSW	2.8	2.0	1.7	1.2								5.9	4.4
SW	2.1	1.3	1.0	1.2								5.2	4.7
WSW	2.2	2.6	1.9	1.4	1.1							7.8	5.2
W	3.2	4.0	2.7	1.5	1.0							10.3	5.4
WNW	1.1	1.2	1.0	1.1								3.4	5.1
NW	1.6	1.5	1.4		1.1							1.8	5.5
NNW	1.7	1.5	1.7	1.9								2.7	5.2
VARBL												16.2	
CALM												100.0	4.3
	22.6	29.9	19.3	4.7	1.3								

TOTAL NUMBER OF OBSERVATIONS 2398

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION 07030 COTTL FIELD, FL STATION NAME 73-02 JUL NORTH 01 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.3										1.6	4.4
NNE	1.0	.6										2.6	2.6
NE	1.0	.6	.3									1.9	3.5
ENE	1.0	.6										1.6	3.0
E	1.6	.6										2.3	2.3
ESE	.3	.6										1.0	3.3
SE	.3	.6	.6									1.6	5.0
SSE	2.7	2.3	.3									5.5	3.5
S	7.1	2.9	.6									10.6	2.9
SSW	4.2	1.0	.3									5.5	2.8
SW	2.3	2.3	.6									5.2	4.0
WSW	3.5	2.9	.3									6.5	3.9
W	4.5	2.9	.6									8.1	3.5
WNW	.6	1.0										1.6	2.2
NW													
NNW	1.7		.3									2.3	3.1
VARB													
CALM												41.9	
	33.5	20.3	4.2									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION OSCEOLA FIELD, FL STATION NAME OSCEOLA FIELD, FL YEAR 1972 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 04

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										2.9	3.9
NNE	2.6	1.0										3.5	3.0
NE	1.0											1.6	3.0
ENE	1.0											1.3	3.0
E	1.6											2.3	2.9
ESE												1.3	2.5
SE	1.0	1.0										2.9	2.9
SSE	1.3											2.3	3.4
S	5.3	1.0										7.1	2.5
SSE	2.3											2.6	2.5
SW	2.9	1.0										4.9	2.8
WSW	5.1	4.2										11.0	3.6
W	2.2	1.3										5.2	3.6
WNW	1.3											1.6	2.6
NW	1.0											1.3	2.3
NNW	1.6											1.0	3.3
VARBL												47.4	
CALM												100.0	1.6
	34.2	16.2	1.6										

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 073002 CECIL FIELD, FL STATION NAME 73-02 JUL NORTH  
ALL WEATHER CLASS 67 HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.0										4.2	4.5
NNE	3.9	2.6										6.5	3.2
NE	1.6	.3										1.9	2.3
ENE	1.3	.6										1.9	2.5
E	1.7											1.3	2.5
ESE	1.0	.3										1.3	2.3
SE	1.7	.6	.3									2.3	3.7
SSE	1.7	1.9										3.2	3.4
S	4.8	1.9	.3									7.1	2.8
SSW	2.3	.6										2.9	2.8
SW	3.9	1.6	.6									6.1	3.5
WSW	4.2	5.2	.6									10.0	3.9
W	5.8	4.5	.6									11.9	3.3
WNW	1.3											1.3	2.3
NW	.6	1.3										1.9	4.5
NNW	1.3	1.3										1.9	3.5
VARBL													
CALM												34.2	
	37.7	25.5	2.6									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

312

3805



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 23027 COON FIELD, FL STATION NAME 73-32 YEARS JUL  
ALL WEATHER HOURS (L.S.T.) 10  
 CLASS 10

CONDITION

SPEED (KNTS) DIE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	1.2										3.5	3.5
NNE	.6	1.6	.3									2.6	4.6
NE	.6	1.3	1.3	.3								3.5	7.0
ENE	1.0	1.2	1.0	.6								4.5	6.1
E	1.9	.6	1.6									4.2	6.8
ESE	1.0	1.0	1.9	.3								4.2	6.5
SE	.6	.6	1.6									2.9	5.9
SSE	1.0	1.0	1.6									3.5	5.5
S	2.3	3.0	1.0	.3								8.1	4.5
SSW	2.6	3.2	.6									6.5	4.0
SW	2.3	2.3	2.3									7.1	3.5
WSW	2.9	2.9	4.2									10.2	5.6
W	2.4	6.5	5.2	.6								15.2	5.8
WNW	2.3	3.2	1.6	.6								7.7	5.3
NW	.3	1.6	.6									3.6	5.1
NNW	1.6	1.6										3.2	3.4
VAERL												10.6	
CALM												100.0	4.7
	27.1	34.5	24.8	2.9									

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 77000 CECIL FIELD, FL 73-82 JUL MONTH  
STATION NAME YEARS  
ALL WEATHER CLASS 13 HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0		.3								2.3	4.7
NNE	.6	1.6	.6	.3								3.2	5.6
NE	.6	1.0	1.0	1.3								4.8	7.5
ENE	1.3	.6	2.3	.6								5.5	6.2
E	1.3	2.9	3.9	.6	.6							9.4	7.7
ESE	.6	2.3	2.9	1.0								6.8	7.0
SE	1.6	1.3	.6	.6								4.2	5.8
SSE	.6	1.0	1.0									2.6	5.8
S	1.9	2.6	1.3	.3								6.1	4.7
SSW	1.3	3.2	4.5	.3								9.4	6.5
SW	1.0	2.6	1.9	.6								6.1	6.4
WSW	1.0	4.2	2.9	.6								8.7	6.2
W	1.3	5.5	5.2	1.9								14.5	6.8
WNW	1.3	1.7	.6									2.9	4.6
NW	1.0	1.7	.6									2.6	4.3
NNW	.3	2.3										2.6	4.9
VARL													
CALM												8.4	
	10.1	33.9	30.3	9.7	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

COOL FIELD, FL

STATION NAME

73-82

YEARS

JUL

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7		.3	.3								1.0	7.0
NNE	.3	2.3	.6									3.2	5.8
NE	.3	2.3	1.9	.6								5.2	7.4
ENE	.6	3.5	4.2	1.9	.3							10.6	6.0
E	1.6	2.3	3.5	1.3	.3							9.0	7.6
ESE	.6	2.6	4.2	2.6								12.0	8.2
SE	1.0	1.6	1.3	1.0								4.8	6.6
SSE	1.0	1.3	.6	.3	.3							4.2	6.8
S	1.3	3.2	1.3	1.6								7.4	7.0
SSW	1.6	2.6	2.9	.3								7.4	6.2
SW	.6	2.3	3.9	.3								7.1	7.2
WSW	1.3	1.3	5.5	1.3								9.4	7.7
W	1.6	4.8	2.3	.6								9.4	5.9
WNW		.6	1.6	.3								2.6	7.5
NW	.3	1.0	1.3									2.6	6.8
NNW	.6	.6	.3	.3								1.9	5.8
VARBL													
CALM												4.2	
	13.9	32.3	35.8	12.9	1.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION  
93072

STATION NAME  
SCOTL FIELD, FL

YEARS  
73-77

MONTH  
JUL

ALL WEATHER  
CLASS

19

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3				.3						1.0	9.7
NNE	1.0		.3									1.3	3.3
NE	1.7	2.6	.3									4.2	4.5
ENE	1.3	2.3	2.6									6.1	6.0
E	2.3	5.2	4.6	.3								12.9	5.9
ESE	1.6	3.2	3.6	1.0								10.3	6.8
SE	.3	3.2	1.0	.6								5.8	6.1
SSE	1.6	4.2	1.3									7.1	4.9
S	2.9	4.5	2.9									10.3	5.1
SSW	4.2	3.5	1.5	.4								9.4	4.6
SW	2.5	2.3	1.7									6.1	4.4
WSW	2.3	4.2	1.9	.5								9.0	5.6
W	1.3	3.2	1.3	.3		.3						6.5	6.6
WNW		1.0	.6	.3								2.9	6.2
NW	1.0	.3		.3								1.6	4.6
NNW			.3									.3	8.0
VARX													
CALM												5.2	
	24.2	42.8	22.9	4.7		.6						100.2	5.3

TOTAL NUMBER OF OBSERVATIONS

310

5805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

CECON FIELD, 21

STATION NAME

11-82

YEAR

JUL

MONTH

ALL WEATHER

CLASS

22

MOON (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									2.3	4.1
NNE	1.0	1.0										1.6	3.6
NE	1.0	1.0										2.6	2.3
ENE	1.0	1.0	1.0									4.2	3.9
E	5.2	2.0										8.1	3.0
ESE	3.2	1.0	1.0									6.1	3.6
SE	1.0	1.0		1.0								2.6	3.9
SSE	2.0	2.0	1.0									6.1	3.9
S	0.0	2.0	1.0	1.0								12.3	3.1
SSW	5.2	3.5										8.7	3.1
SW	2.0	2.0	1.0	1.0								7.1	4.6
WSW	4.0	3.0	1.0									10.0	4.1
W	2.0	1.0	1.0									4.5	3.9
WNW	1.0											1.6	2.0
NW	1.0	1.0	1.0									2.6	4.1
NNW	1.0		1.0									1.0	3.7
VARBL													
CALM												19.7	
	44.5	27.7	7.1	1.0								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME 73-52 YEARS JUL  
ALL WEATHER MONTH ALL  
 CLASS ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.2	.1	.1		.0						2.3	4.6
NNE	1.5	1.3	.2	.0								3.1	3.9
NE	1.0	1.2	.7	.3								3.2	5.4
ENE	1.2	1.5	1.3	.4	.0							4.5	6.0
E	2.1	2.2	1.7	.3	.1							6.2	5.6
ESE	1.1	1.7	1.7	.6								5.1	6.3
SE	1.1	1.3	.7	.3								3.4	5.3
SSE	1.7	1.9	.7	.0	.0							4.3	4.6
S	4.5	2.9	1.0	.3								8.6	4.0
SSW	2.9	2.3	1.2	.2								6.5	4.4
SW	2.3	2.3	1.5	.2								6.2	4.9
WSW	1.3	3.0	2.2	.3								9.4	5.1
W	1.1	3.0	2.1	.4		.0						9.4	5.2
WNW	.9	1.0	.5	.2								2.7	4.9
NW	.7	.8	.8	.0								1.9	4.7
NNW	.2	.7	.2	.0								1.8	4.1
VARIABLE												21.5	
CALM												120.0	3.9
	20.2	29.2	16.2	3.7	.2	.1							

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

Cecil Field, FL

STATION NAME

71-80

YEARS

AUG  
MONTH

ALL WEATHER  
CLAS

01

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.5	5.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	6.8	9.8
NNE	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	6.1	3.1
NE	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	2.6	3.4
ENE	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	1.6	2.8
E	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	2.3	2.9
ESE	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	1.3	5.0
SE	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	1.6	5.4
SSE	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	4.2	3.2
S	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	9.0	2.9
SSW	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	3.0	3.4
SW	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	2.6	2.4
WSW	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	4.2	2.9
W	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	2.6	3.3
WNW	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	1.3	2.8
NW	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	3.2	3.8
NNW	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	46.8	
VARBL													
CALM													
	32.0	15.0	4.2	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

# SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)**

STATION	CFCOL FIELD, FL	STATION NAME	73-82	YEARS		AUG	MONTH
			ALL WEATHER			04	
		CLASS					HOURS (L.S.T.)
		CONSTRUCTION					

[illegible]

TOTAL NUMBER OF OBSERVATIONS

310

**80108**



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 03-02 CRANFIELD, FL STATION NAME 17-02 YEARS AUG  
07 MONTH 07 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	4.9	1.6									10.5	4.3
NNE	5.2	2.9	1.0									8.7	3.4
NE	1.0	.3										3.2	2.5
ENE	1.0	.6										1.6	3.0
E	1.0	.7			.3							1.6	6.2
ESE	1.1	.7	.7									2.3	3.3
SE	1.0	.7										1.3	2.5
SSE	1.3	.3										1.6	2.4
S	2.4	1.5										4.2	3.2
SSW	2.3	.7										2.9	2.9
SW	2.3	1.0	.3									3.5	3.3
WSW	3.0	1.3										5.2	2.5
W	2.3	.3	.6									3.2	3.5
WNN	1.0	.3										2.3	2.7
NW	.7	1.1										1.3	3.8
NNW	1.0	1.0	.7	.3								3.2	4.9
VARB													
CALM												83.2	
	34.5	17.4	4.0	.3	.3							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME COCONA FIELD, FL YEARS 1962 MONTH AUG  
STATION NUMBER 10 HOURS (L.S.T.) 10

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.6	1.0	1.6									5.8	5.3
NNE	1.2	2.6	1.3									5.5	4.6
NE	1.5	2.0	1.3	.6								6.5	5.4
ENE	1.0	1.5	2.0	.7								6.8	5.9
E	1.0	2.0	3.6									8.1	5.8
ESE	1.0	1.0	3.6	.7								5.8	6.8
SE	1.0	1.0	1.3	.6								2.9	5.8
SSE	1.0	1.0	1.3	1.0								5.5	6.4
S	2.0	5.2	1.0	.3								11.0	4.7
SSW	2.0	2.3	.7	.3								5.8	4.0
SW	1.7	1.0	1.3									4.2	5.2
WSW	1.7	5.2	1.0									7.6	5.1
W	1.6	2.5	1.3	.6								7.1	5.3
WNW	1.7	1.4	1.0									2.9	4.5
NW	.7	1.3										1.6	4.8
NNW	1.7	1.0										2.3	3.3
VARBL													
CALM												10.0	
	24.3	18.7	22.3	4.2								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME 77-52 YEARS AUG  
MONTH 13 HOUR (L.S.T.) 13

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.9	.3									3.7	4.5
NNE	1.3	1.3	1.6	1.3								5.5	7.4
NE	.5	2.9	1.6	1.0								6.1	6.8
ENE	.3	4.2	3.0	2.3								10.6	7.7
E	.5	5.2	7.7	2.6								18.1	7.0
ESE	.6	2.9	1.0	.6								5.2	6.2
SE	.6	2.3	1.0	.3								4.2	5.8
SSE	1.0	2.3	1.3									4.5	5.4
S	1.0	1.0	1.5									4.5	5.7
SSW	.6	1.6	.7	.3								2.9	5.4
SW	1.0	2.9	1.3									5.2	4.3
WSW	1.3	2.9	2.3	.2								5.5	6.1
W	.6	4.2	1.2									6.8	5.8
WNW	1.0	1.9	.5									3.5	4.4
NW	.6	.7	1.0									1.9	5.7
NNW	.3	2.3	1.2	.3								4.2	5.9
VARBL													
CALM												6.5	
	14.2	41.6	22.7	9.0								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME COOPER FIELD, FL YEAR 13-80 MONTH AUG  
 CLASS ALL WEATHER HOUR (L.S.T.) 16

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.7									1.3	8.3
NNE			1.0	.6								1.9	8.7
NE		1.0	4.9	1.6	.7							8.7	8.8
ENE	.6	3.9	5.2	2.9								12.6	9.3
E	1.7	6.1	10.3	4.5								22.3	8.2
ESE	1.7	2.9	6.1	1.0								11.3	7.4
SE	.3	1.3	2.3	1.0								4.8	7.4
SSE	.7	1.3	.3									1.9	5.3
S	1.0	1.3	2.3	1.0								6.5	6.5
SSW	1.3	.7	1.0	.3								2.9	6.6
SW	1.3	1.0	.6	.6	.3							4.9	5.6
WSW	1.0	2.3	1.9	.6								5.9	6.4
W	.9	2.6	.6	.6								4.5	6.6
WNW	.9	1.0	1.3	.6								3.5	7.0
NW	.6	1.0										1.6	3.8
NNW	.3	1.0	1.3	.3								3.5	6.9
VARBL												1.9	
CALM													
	11.6	29.7	40.3	15.8	.5							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1959 MONTH AUG  
 HOURS (L.S.T.) 19

ALL REACTIONS  
CLOSE

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.0	.3								2.6	6.0
NNE	.6	1.0	.6									2.9	5.2
NE	.7	3.3	1.3									5.2	5.4
ENE	.6	7.1	2.3									11.9	5.0
E	4.3	11.9	4.2	.7								23.2	4.6
ESE	1.2	7.4	1.0	.3								10.3	5.4
SE	.6	2.6	1.7									4.5	5.5
SSE	.6	2.3	1.5									4.2	6.0
S	2.7	1.4	1.9	.7								7.1	5.0
SSW	1.2	1.6										3.5	3.6
SW	1.9	2.7										4.5	3.5
WSW	2.3	2.7	1.0									6.3	4.2
W	.3	1.0	1.0	.3								2.6	6.9
WNV	.7		.7									.6	5.5
NW	.6	.7		.7								1.3	6.3
NNW	.6	1.0	.6	.3								2.6	5.6
VARBL													
CALM												6.1	
	25.6	47.7	18.4	2.3								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CGCIL FIELD, FL STATION NAME 73-92 YEARS AUG  
ALL WEATHER MONTH 22  
 CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.0	.3									4.2	4.3
NNE	3.5	3.0										6.8	3.6
NE	1.0	.3	.3									2.6	3.8
ENE	3.0	7.5	.6									6.9	3.6
E	3.5	1.0	.3									6.8	3.0
ESE	3.1	1.6	.6									6.4	2.9
SE	7.0	7.3										5.5	3.1
SSE	2.0	1.0	.3									4.2	3.0
S	7.1	1.6										8.7	2.5
SSW	2.5	.6										4.2	2.3
SW	3.0	1.0										5.2	2.6
WSW	1.3	.6	.3									2.3	3.9
W	1.3											1.3	2.0
WNW	1.0	.3										1.3	2.5
NW	.3				.3							.6	11.0
NNW	.6	.7										1.0	2.3
VARBL													
CALM												30.3	
	47.7	19.7	2.9		.3							170.0	2.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CHOCOLATE FIELD, FL YEAR 1982 MONTH AUG  
 STATION NAME ALL WEATHER CLASS ALL  
 CLASS NOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.2	1.0	.1								5.3	4.8
NNE	2.5	2.2	.3	.2								5.5	4.4
NE	1.3	1.6	1.2	.4	.0							4.7	5.8
ENE	1.5	2.4	1.0	.7								6.6	6.1
E	2.0	3.5	3.3	.9	.7							10.5	6.1
ESE	1.6	2.0	1.7	.3								5.6	5.7
SE	1.7	1.3	.6	.2								3.2	5.2
SSE	1.4	1.3	.6	.1								3.5	4.7
S	2.6	2.1	1.0	.2								6.9	4.1
SSW	2.2	1.2	.2	.1								3.7	3.8
SW	1.0	1.3	.3	.1	.0							4.0	4.2
WSW	2.1	2.3	.3	.1								5.0	4.5
W	1.4	1.5	.7	.2								3.8	5.0
WNW	1.0	.7	.4	.1								2.2	4.4
NW	.4	.5	.2	.1	.0							1.2	5.4
NNW	1.7	1.4	.3	.2								3.0	4.9
VARBL													
CALM												25.2	
	27.3	27.7	15.5	4.1	.2							170.0	3.8

TOTAL NUMBER OF OBSERVATIONS

2490

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 32402 CECIL FIELD, FL STATION NAME 73-42 YEARS SEP MONTH 01 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	%	MEAN WIND SPEED
N	1.0	5.0	2.0									10.0	4.6
NNE	7.7	2.0	.7	.3								11.7	3.3
NE	2.7	1.7	.7									5.0	3.6
ENE	.3	1.7										2.0	4.5
E	.7	1.5										2.0	3.2
ESE	1.3	.3	.7									2.0	3.5
SE	.7	1.5	.3									1.7	4.6
SSE	7.7	1.0										3.3	2.9
S	2.3	1.0										3.3	3.0
SSW	1.3	1.0										2.3	3.1
SW	1.7	.7										2.3	5.1
WSW	1.7	.7	.7									3.0	3.8
W	1.0	.7	.7									2.3	5.0
WNW	1.3	.7										2.0	3.7
NW	1.7	.7										2.0	2.8
NNW	1.3	1.3	.3	.2								3.7	5.0
VARBL													
CALM												41.7	
	30.3	21.7	5.7	.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SECON FIELD, FL STATION NAME 77-92 YEARS SEP  
MONTH 04  
MOON (L.S.T.) 04

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	0.0	1.0	0.3								12.7	4.7
NNE	0.3	3.3	0.3		0.3							10.2	3.6
NE	1.7	1.7	0.7									3.3	4.7
ENE	1.0	0.3										1.7	2.8
E	1.0	0.7	0.7									2.3	4.1
ESE	0.7											0.3	2.0
SE		0.7										0.7	5.0
SSE	1.0	1.0										2.0	3.3
S	0.7	0.7										3.7	2.7
SSW	1.0	0.3										1.0	2.3
SW	1.7	1.0	0.7									3.3	3.4
WSW	0.7	1.0										1.7	3.8
W	1.7	0.7										2.3	2.9
WNW	1.0	1.0										2.3	3.6
NW	1.7	2.0										3.7	3.6
NNW	1.3	3.3	1.0									7.0	4.2
VARBL												41.3	
CALM												100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME CENTRAL FIELD, FL YEARS 13-62 MONTH SEP  
STATION NUMBER 07 HOUR (L.S.T.) 07  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	10.3	2.0	.7								18.0	4.7
NNE	1.7	4.3	.7									10.7	3.6
NE	2.7	2.3	.7									5.7	3.9
ENE	1.7	.7										2.0	2.8
E	1.0	1.7										2.0	3.2
ESE		.7										.3	5.0
SE	.7		.7									1.3	5.3
SSE	.7	.7										1.3	2.8
S	.7	.7										1.3	3.0
SSW	1.3	1.3										2.3	3.4
SW	1.7	.7										2.0	2.7
WSW	1.0	.7										1.3	2.5
W	.7	.7										3.0	2.6
WNW	1.7											1.3	2.3
NW	2.3	1.7	.7									3.7	3.5
NNW	2.3	2.3	.7									5.3	5.0
VARBL													
CALM												38.3	
	30.0	65.7	4.7	1.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION RECON FIELD, FL STATION MARK 17-32 YEARS SEP  
DATE 10 MONTH NORTH  
HOURS (L.S.T.) 10

ALL WEATHERED  
CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	1.7								8.7	6.9
NNE	1.7	2.7	3.7									6.7	6.1
NE	1.7	6.7	6.7	1.3								12.0	6.6
ENE	1.7	2.7	3.7									7.0	6.5
E	2.0	2.7	5.7	1.3								11.0	6.7
ESE	1.3	1.3	1.7	1.3								3.3	5.6
SE	1.3	1.0	1.0									3.3	4.9
SSE		1.3	1.0	1.3	1.3							2.7	8.9
S	2.0	1.7	1.0	1.3								5.7	4.9
SSW	2.0	1.0	1.3									4.3	4.7
SW	1.0	2.7	1.1									4.7	4.6
WSW	1.7	2.7	1.7									2.3	4.8
W	2.7	2.3	1.0	1.2								6.0	4.7
WNW	1.3	1.0	1.7	1.3								3.3	5.1
NW	1.7	2.7										2.7	4.3
NNW	1.0	1.7	1.7									4.3	4.3
VARBL													
CALM												12.3	
	20.7	34.0	27.7	5.0	1.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME REDFIELD, FL YEARS 73-77 SEP  
MONTH 13  
MOON (L.S.T.)

ALL WEATHER  
CLASS

COUNTDOWN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3	1.7	1.3								5.3	7.4
NNE	1.0	2.7	3.3	1.0								8.0	7.6
NE	.7	2.3	5.0	1.3								9.3	7.6
ENE	2.7	4.2	6.0	2.0								14.0	7.2
E	1.7	4.7	5.3	2.0	.3							15.0	7.3
ESE	1.7	3.0	2.0									6.3	5.9
SE	.7	.7	.7									2.0	5.0
SSE	.3	2.0	1.2									3.7	5.7
S	1.0	.7	.7	.7		.3						3.3	8.0
SSW	.3	2.0	.7	.3								3.0	5.6
SW	1.0	1.0	.2	.3								2.7	5.3
WSW	1.7	1.7	1.2	.3								4.7	5.4
W	1.3	2.7	2.0		.3							6.3	5.9
WNW	.7	2.7	.7									4.0	4.8
NW	.7	2.3	.7	.3								3.7	5.6
NNW	1.0	2.0	.7	.3								4.0	5.3
VARBL													
CALM												4.7	
	15.7	35.7	33.0	10.0	.7	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CCOIL FIELD, FL STATION NAME 73-92 YEARS SEP MONTH 16 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	2.3	1.7								4.0	8.4
NNE	.7	.7	2.3	1.7								5.3	8.6
NE	.7	1.7	4.7	1.7								10.7	7.3
ENE	.7	4.7	8.7	2.0								15.7	7.8
E	1.7	5.3	12.7	4.7	.7							23.7	8.5
ESE	.3	4.0	8.7									8.3	6.7
SE		2.0	1.7									3.7	6.2
SSE	.7	1.3	.7									2.3	4.4
S	.7	.7	.7	.7								2.3	7.4
SSW	.7	1.7	.3	.3								3.0	5.3
SW		1.3	1.3									2.7	6.6
WSW	1.0	1.3	.7	1.7								4.7	7.7
W	1.2	2.0	1.3	1.0								5.3	6.8
WNW	.7	1.7		.3								2.3	5.1
NW	.7	1.0	.7	.3								2.7	5.5
NNW		1.3		.7								1.7	8.6
VARBL													
CALM												1.7	
	13.7	30.7	40.7	16.7	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 9-112 CECIL FIELD, FL STATION NAME 73-82 SEP MONTH 19 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7								3.3	7.7
NNE	1.7	1.7	2.3	1.3								6.7	5.6
NE	1.7	3.7	2.3	1.3								8.7	4.8
ENE	1.7	6.3	1.3									11.3	3.9
E	1.7	14.3	2.7									25.3	4.3
ESE	1.7	5.0	1.0									8.3	4.5
SE	1.7	5.0	1.7									8.3	4.6
SSE	1.7	1.7	1.7	1.3								3.0	5.9
S	1.7	1.7	1.3									2.3	3.9
SSW	1.7	1.3	1.3									1.3	4.0
SW	1.7	1.0										2.3	3.3
WSW	2.3	1.7										3.3	3.5
W	1.7	1.7	1.0	1.3								3.3	6.0
WNW	1.7	1.7										2.3	3.8
NW	1.7	1.3	1.3									2.3	3.5
NNW		1.7										1.3	5.0
VARBL													
CALM												7.3	
	31.3	42.3	13.0	2.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION COGS FIELD, FL YEARS 13-12 MONTH SEP

ALL WEATHER CLASS

HOURS (L.S.T.) 22

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	4.0	1.7	.3								9.0	4.9
NNE	3.3	4.2	.3									8.0	3.9
NE	4.2	1.0	.7	.7								6.7	4.1
ENE	3.2	.7	.2									5.7	2.9
E	3.3	1.7	1.0									5.7	3.9
ESE	2.0	1.0										4.0	2.6
SE	2.7	.7	.7									3.7	3.3
SSE	2.0	1.7										2.7	3.8
S	2.7	2.7	.3									5.7	3.8
SSW	1.2	.7	.7									4.7	3.1
SW	2.0	1.3										3.7	3.1
WSW	1.7	.3		.3								2.3	4.1
W	2.7	.7	.7									3.7	3.6
WNW	.7	1.0										1.7	4.2
NW	.3											.3	2.0
NNW	.7	.7	1.0									2.3	5.6
VABL													
CALM												30.0	
	10.7	21.7	7.7	1.3								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 307

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COOL FIELDS, FL STATION NAME 13-12 YEARS SEP  
ALL WEATHER CLASS ALL HOURS (L.S.T.) NORTH

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	4.2	1.0	.7								8.8	5.6
NNE	2.0	3.7	1.0	.4	.2							8.4	4.9
NE	1.3	2.3	2.7	.5								7.7	5.7
ENE	1.0	2.1	2.4	.5								7.4	5.9
E	2.4	1.6	2.5	1.7	.1							10.6	6.2
ESE	1.2	1.2	1.0	.0								4.1	5.1
SE	1.7	1.3	.8									3.1	4.8
SSE	1.0	1.2	.4	.1	.0							2.7	4.8
S	1.2	1.1	.4	.2		.0						3.4	4.6
SSW	1.7	1.2	.0	.1								2.8	4.1
SW	1.7	1.2	.4	.0								2.9	4.1
WSW	1.3	1.1	.4	.2								3.0	4.9
W	1.2	1.3	.2	.2	.0							4.0	5.0
WNW	1.0	1.2	.2	.1								2.8	4.3
NW	1.1	1.2	.2	.1								2.6	4.2
NNW	1.0	1.4	.5	.2								3.7	5.0
VARBL												22.2	
CALM												100.0	4.1
	25.3	35.0	17.0	4.6	.2	.7							

TOTAL NUMBER OF OBSERVATIONS

2420

3



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION ASHEVILLE, NC STATION NAME 77-22 YEARS OCT  
ALL WEATHER MONTH 01  
 CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							2.0	6.0
NNE	1.0	1.0	1.0	1.0								11.0	4.0
NE	1.0	1.0	1.0	1.0								1.0	5.0
ENE	1.0	1.0	1.0	1.0								1.0	2.0
E	1.0	1.0	1.0	1.0								1.0	2.0
ESE	1.0	1.0	1.0	1.0								1.0	7.0
SE	1.0	1.0	1.0	1.0								1.0	7.0
SSE	1.0	1.0	1.0	1.0								1.0	3.0
S	1.0	1.0	1.0	1.0								1.0	2.0
SSW	1.0	1.0	1.0	1.0								1.0	5.0
SW	1.0	1.0	1.0	1.0								2.0	3.0
WSW	1.0	1.0	1.0	1.0								4.0	2.0
W	1.0	1.0	1.0	1.0								4.0	3.0
WNW	1.0	1.0	1.0	1.0								2.0	3.0
NW	1.0	1.0	1.0	1.0								4.0	4.0
NNW	1.0	1.0	1.0	1.0								5.0	5.0
VARBL												14.0	
CALM												100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CRUEL FIELD, FL STATION NAME 72-52 YEARS OCT  
MONTH 24  
HOURS (L.S.T.) 24

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	11.0	7.4	1.0								26.1	5.0
NNE	1.0	1.0	1.0	.6								11.0	4.8
NE	1.0	.3	.6									2.3	3.9
ENE		.3										.3	4.0
E													
ESE	.5											.3	1.0
SE													
SSE		1.0	.6									1.6	6.2
S	1.0	.7										1.3	3.0
SSW	.6											.6	2.0
SW	1.0											1.0	3.0
WSW	1.0	.4										1.6	3.2
W	4.0	.3										4.5	2.4
WNW	2.5	1.6	.3									4.5	3.5
NW	1.0	2.3	.5									4.5	4.5
NNW	1.0	4.0	1.3	1.3								9.7	5.4
VARB													
CALA												30.6	
	26.1	26.1	13.0	3.0								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, FL STATION NAME 73-12 YEARS 07  
MONTH 07  
HOURS (L.S.T.) 07

ALL WEATHER  
CLASS

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	10.9	7.7	2.6								26.5	6.7
NNE	3.6	5.2	1.8	1.3								11.6	5.2
NE	1.7	1.1	1.2	1.3								2.3	2.0
ENE	1.2	1.1										1.0	4.7
E		1.3										1.2	5.0
ESE													
SE	1.1	1.1										1.6	3.0
SSE	1.1	1.3										1.5	2.5
S	1.0	1.0	1.6									2.6	4.6
SSW	1.1	1.1										1.0	3.7
SW	1.1	1.3										1.0	3.7
WSW	1.1	1.1										1.9	3.3
W	1.1	1.3	1.3									4.5	3.3
WNW	1.1	1.1										2.6	3.1
NW	2.7	1.0	1.6									5.2	3.4
NNW	2.7	5.2	1.6	1.5								10.7	5.4
VARBL													
CALM												26.4	
	12.2	21.2	12.1	5.2								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COOL FIELD, FL STATION NAME 23-22 YEAR 1967 MONTH 007  
 CLASS ALL WEATHER HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	2.0	5.5	2.0	1.0							15.8	8.7
NNE	1.5	4.5	9.4	3.5	.6							19.4	8.4
NE	2.3	3.9	7.0	1.3								11.3	6.4
ENE	1.6	3.0	1.9	.2								7.1	5.6
E	1.7	3.2	2.2									6.4	5.3
ESE	1.0	.7	1.6	.4								3.5	6.8
SE	.3	.1	.3									1.3	4.6
SSE	.3	.3	1.6	.3								2.6	7.3
S	.5	1.1	.3	.6								2.8	7.0
SSW	1.2		1.0									1.3	5.5
SW	.8	.2	1.0									1.9	5.5
WSW	.3	2.6	1.0	.3								4.2	6.3
W	1.6	1.9	.4	.6								4.5	6.2
WNW	.6	1.8	1.0									3.5	5.6
NW	1.0	1.3	.3									2.6	4.4
NNW	1.4	3.9	2.2									7.7	5.1
VARB.													
CALM												2.0	
	10.1	31.7	33.2	11.6	1.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

313

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CRANFELD, FL STATION MARK 77-32 YEARS 13 OCT NORTH  
ALL WEATHER HOURS (L.S.T.) 13  
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.3	4.2	3.3							9.7	9.5
NNE	0.0	2.5	4.5	5.5	1.5	7						14.5	12.4
NE	1.1	4.5	3.5	3.2								11.5	8.0
ENE	1.1	3.5	5.5	1.6								11.0	7.6
E	2.3	6.5	5.5	6								14.5	6.3
ESE	1.4	1.0	1.0									3.5	3.6
SE	0.1	3										1.0	3.0
SSE	1.7	1.5	4									1.9	5.7
S	0.6	1.0	4	2								2.6	6.1
SSW	1.3		6	2								2.3	5.1
SW	0.3	0.5	4	3								1.9	6.5
WSW	0.3	0.6	1.6	3								2.9	7.7
W	1.6	3.9	3.5	1.6								10.6	7.2
WNW	0.6	1.2	0.0	0.6								3.2	6.6
NW	0.7	1.0	1.0	0.3		0.7						3.5	8.4
NNW	0.0	2.3	0.3									3.2	4.5
VARBL													
CALM												1.3	
	15.6	21.0	33.2	20.0	1.3	0.6						170.0	7.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 00000 CECIL FIELD, FL STATION NAME 73-82 YEARS OCT  
ALL WEATHERS CLASS 16 MONTH 16  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.0	3.0	2.0	.3							9.0	8.4
NNE	.3	1.0	3.0	4.0	.6							11.3	10.3
NE		3.0	6.0	4.0	.3							14.8	9.2
ENE	1.0	3.0	6.0	1.0								16.6	7.6
E	.7	6.1	5.0	.6								12.9	6.9
ESE	.6	.3	2.0	.6								4.2	7.7
SE		1.0	1.0									2.3	5.9
SSE			.7									.3	7.0
S			.7	.7								.6	11.5
SSW	.3		.7									.6	5.5
SW	.6	1.0	.6	.3								2.9	5.7
WSW	.3	2.0	1.7	.3								4.2	6.7
W	1.0	2.0	2.6	.6								7.1	6.5
WNW	1.0	.3	2.6									4.2	6.5
NW	.6	.6	1.7									2.6	5.6
NNW	1.0	3.0	1.7									5.6	5.4
YARL													
CALM												.6	
	2.0	30.0	43.2	16.5	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MCALL FIELD, FL STATION NAME 73-52 YEARS OCT  
MONTH 19  
HOURS (L.S.T.) 19

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	5.5	1.6	.3							10.2	8.1
NNE	.5	5.2	3.0	1.6								14.5	6.6
NE	4.3	5.2	2.3	.2								12.6	4.5
ENE	5.2	2.4	1.6									8.7	4.2
E	6.3	2.1	.6									15.5	3.5
ESE	2.2	3.5										7.4	3.5
SE	1.2	.4										1.6	3.0
SSE		.3										.2	4.0
S	.6	.6	.2									1.6	3.2
SSW	.6	.5	.2									1.6	4.2
SW		.5	.3									1.6	4.6
WSW	1.6	.4										2.3	2.4
W	1.3	1.0										2.3	3.1
WNW	2.0	.6	.3									3.9	3.3
NW	.6	1.2		.6								2.6	4.0
NNW		1.3										1.9	7.2
VARBL													
CALM												11.3	
	31.3	37.7	15.2	4.2	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME CECIL FIELD, FL YEARS 73-72 OCT  
MONTH 22  
HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.1	4.3	1.7	.3							18.4	6.7
NNE	4.0	5.6	1.9	.3								12.9	4.7
NE	4.2	1.6	1.7	.7								7.4	4.1
ENE	1.0	.4										2.6	2.6
E	1.6	.6										2.3	2.4
ESE	1.3	.3										1.3	3.8
SE	1.6	1.7	.7									2.9	3.3
SSE	.3	.6										1.0	3.3
S	1.6	.4	.7									2.6	3.6
SSW	.2	.2										.6	3.5
SW	1.7	1.6										1.9	3.3
WSW	2.3	1.3										3.7	3.0
W	2.1	.6	.7									4.5	3.1
WNW	1.7	1.6	.3									3.2	4.2
NW	1.3	1.0										2.3	3.4
NNW	.3	1.6	1.2									3.9	6.6
VARBL												28.8	
CALM												100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 309

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME CECIL FIELD, FL YEAR 73-72 MONTH 001  
CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.5	5.2	2.3	.2							17.3	7.0
NNE	2.7	4.4	3.5	2.3	.3	.0						13.3	7.0
NE	1.0	2.5	2.3	1.3	.0							6.1	6.6
ENE	1.7	1.9	2.3	.5								6.1	6.2
E	1.2	3.1	1.5	.2								6.6	5.4
ESE	.3	.6	.0	.3								2.6	5.5
SE	.5	.5	.2	.0								1.3	4.3
SSE	.2	.5	.4	.0								1.2	5.5
S	.0	.0	.2	.2								1.9	4.9
SSW	.6	.0	.2	.0								1.2	4.7
SW	.2	.6	.2	.1								1.2	4.7
WSW	1.4	1.1	.5	.1								3.1	4.6
W	2.7	1.7	1.1	.4								5.4	5.0
WNW	1.6	1.1	.7	.1								3.5	4.7
NW	1.0	1.1	.6	.0		.0						3.4	4.8
NNW	1.2	3.1	1.2	.4								5.9	5.5
VARBL													
CALM												17.2	
	21.5	20.1	22.1	3.3	.6	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2479

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CGO74 FIELD, FL STATION NAME 77-82 YEARS NOV  
MONTH 01  
HOURS (L.S.T.) 01

ALL WEATHER  
CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	5.1	4.7									12.5	5.5
NNE	2.1	7.1	4.1									12.2	5.2
NE	1.0	1.0	1.4									3.4	5.6
ENE	.7		.3									1.0	4.0
E	.3	.3	.3									1.0	4.7
ESE	.2											.3	2.0
SE	1.4											1.4	2.5
SSE	.3	.7	.7									1.7	5.4
S	2.4	2.0	1.2									5.4	4.3
SSW	1.0	.7	.3									2.7	4.2
SW	2.4											2.4	2.1
WSW	.2											.3	2.0
W	2.7	1.4	.7									4.7	3.9
WNW	2.0	1.7	1.0	.7								5.4	5.2
NW	1.0	2.7	.7									4.4	5.0
NNW	1.7	3.7	.3	.5								5.4	5.0
VARBL													
CALM												36.3	
	24.7	42.4	15.6	1.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

295

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-92 MONTH NOV  
 DATE 04 HOUR (L.S.T.) 04

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	7.1	2.0	.3								14.6	5.2
NNE	3.1	3.7	3.7									10.5	5.6
NE	1.0	1.4										2.4	3.6
ENE		.3	.7									.7	6.0
E	.3	.3										.7	3.0
ESE	1.0			.3								1.4	4.8
SE													
SSE	.7	.7										1.4	3.5
S	.7	2.4										3.1	4.2
SSW	1.0	1.4										2.7	3.3
SW	.7	.7	.7									1.4	5.0
WSW	2.4	.3										2.7	2.5
W	2.7	1.4	.7									4.7	3.6
WNW	1.7	2.7	.7	.2								5.1	4.8
NW	1.7	3.1	1.7	.7								6.6	5.2
NNW	2.4	4.1	2.0									8.5	4.9
VARBL												33.6	
CALM												100.0	3.1
	23.1	29.5	12.5	1.4									

TOTAL NUMBER OF OBSERVATIONS

295

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME CASUAL FIELD, FL STATION MARK 72-22 YEARS NOV  
MONTH 07  
HOURS (L.S.T.) 07

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	3.3	7.6	.7								25.0	5.5
NNE	4.7	4.1	1.4	.7								10.8	4.7
NE	1.7	.7	.7									2.4	4.6
ENE	.7	.7										1.0	2.7
E	.7	.7	.3									1.4	3.0
ESE		.7										.3	4.0
SE	.7											.7	2.0
SSE	.7		.3									1.0	4.0
S	1.0	1.0	1.4	.3								4.4	5.3
SSW	1.0	.7	.7									2.6	3.7
SW		.3	.3									.7	6.0
WSW	2.3	.3										2.4	2.4
W	7.2	.7										2.7	2.5
WNW	1.7	1.7	1.4	.3								5.1	5.3
NW	2.3	2.3	.3	.7								4.7	4.7
NNW	2.7	2.3	2.3									6.3	4.6
VARBL													
CALM												78.7	
	22.7	25.0	16.0	2.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

296

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION CECIL FIELD, FL STATION NAME CECIL FIELD, FL YEAR 73-74 MONTH NOV  
 CLASS ALL WEATHER HOUR (L.S.T.) 13

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.7	6.4	2.0	2.3							15.6	7.3
NNE	1.7	3.7	6.4	7								12.1	7.3
NE	1.7	4.0	3.0	7	2							9.6	6.4
ENE	1.7	2.4	2.0	1.0								6.7	6.3
E	1.7	3.0	2.0									6.7	5.1
ESE		7	3									1.0	6.3
SE	7	1.7										2.0	4.3
SSE	1.0		1.0	7								2.7	6.5
S	1.0	1.7	2.0	1.3								6.1	7.5
SSW	7	1.4	2.0									4.0	5.8
SW	7	1.0	7	3								2.7	5.8
WSW	1.0	3	2.0	3	7							4.0	8.5
W	1.0	2.0	1.7									5.7	4.8
WNW	3	7	1.7	7								3.0	7.2
NW	1.7	1.7	2.0	7								6.1	6.6
NNW	1.0	2.4	1.7	7								5.7	6.4
VARBL													
CALM												6.1	
	1.0	31.0	35.0	8.4	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

297

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME CECIL FIELD, FL STATION NAME 73-02 YEARS NOV  
ALL WEATHER CLASS 13 HOURS (L.S.T.) 13

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	3.7	3.7	0.7	0.7							8.4	7.3
NNE	1.0	2.0	2.0	2.7	0.2							9.4	8.6
NE		2.4	2.7	1.3	0.2							6.7	8.5
ENE		1.0	2.7	2.0								6.7	9.1
E	0.7	1.7	2.7	2.0	0.3							8.8	7.5
ESE	1.0	0.7	1.7	0.7								4.0	7.2
SE	0.7	1.0	1.7	1.3								4.7	8.0
SSE	1.0	1.0	2.0	1.0								5.1	7.2
S	0.7	3.4	2.0	0.3		0.2						6.4	6.4
SSW	0.7	1.3	1.3	1.0								4.7	8.5
SW	0.7	1.0	1.0	0.3								2.7	6.6
WSW		2.0	1.7	1.3								5.1	8.5
W	0.7	1.7	3.0	2.0	0.3							6.1	8.7
WNW	0.7	1.7	2.0	1.3								5.7	8.2
NW	1.0	2.0	0.7	1.0								5.1	8.1
NNW	1.0	1.7	2.0									5.1	5.3
VARBL													
CALM												3.4	
	11.0	27.6	28.0	18.2	1.7	0.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

297

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME 71-82 NOV MONTH 16  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	2.4									6.1	5.7
NNE	1.3	2.7	3.2	2.8	1.3							9.4	8.3
NE	1.6	2.7	5.1	1.7								10.4	7.7
ENE	1.7	2.2	4.4	1.3	1.3							9.9	7.5
E	1.7	3.4	5.7	1.7	1.3							11.4	8.9
ESE	1.7	3.4	2.8	1.7								7.1	5.6
SE	1.7	1.3	2.4	1.3								3.4	7.0
SSE	1.3											1.3	1.0
S	1.7	1.3	1.7	1.3								4.7	5.2
SSW	1.7	2.4	2.2	1.3								5.4	6.8
SW	1.7	1.0	1.3	1.7								2.0	6.3
WSW	1.2	2.4	1.2	1.0								5.4	6.8
W	1.7	1.3	2.4		1.7							7.1	6.2
WNW	1.2	1.2	4.2	2.1								7.4	8.8
NW	1.7	2.2	1.2	1.3								3.7	6.1
NNW	1.2	1.2	2.0									4.4	6.2
VARBL													
CALM												2.7	
	13.2	22.6	45.7	12.1	1.7							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

297

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION DECAT FIELD, FL STATION NAME 72-32 YEARS NOV  
MONTH 19  
HOURS (L.S.T.)

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.0	.7	.3								4.7	5.6
NNE	.7	3.4	4.7									8.8	6.5
NE	2.7	4.4	2.0	.7								9.8	5.1
ENE	4.7	1.7	1.7									7.7	3.8
E	5.4	0.1	1.7									18.2	4.0
ESE	3.0	1.0	1.7	.3								6.1	4.4
SE	1.0	1.3	.7									3.4	4.1
SSE	1.1	.3										1.3	3.3
S	.7	1.3	.3									2.4	4.7
SSW	.7	.7	.3									1.7	4.2
SW	.7	.7	.3									1.3	4.0
WSW	1.3	1.3	.3									3.0	4.3
W	2.0	.7	.7									4.4	3.7
WNW	1.7	1.3	.7									3.0	5.1
NW	.7	1.7	.7									2.7	5.6
NNW	1.7	2.0	.7	.3								4.4	5.5
VARB													
CALM												20.2	
	25.6	37.3	17.2	1.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

297

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME SECON FIELD, FL YEARS 11-82 MONTH NOV

CLASS ALL WEATHER HOURS (L.S.T.) 22

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	5.0	2.7									11.4	5.2
NNE	4.7	6.4	2.4	3								12.8	5.1
NE	4.7	1.7	1.7									3.7	5.4
ENE	1.7	7										1.7	3.4
E	2.4	1.7	7									4.0	4.1
ESE	1.7	1.7										2.4	3.1
SE	7	1.7										2.4	3.9
SSE	2.7	7	3									3.4	3.2
S	2.0	7	3									3.7	3.1
SSW	7	1.7	7	3								3.4	5.4
SW		1.7	7									1.7	5.8
WSW	7.4											2.4	2.0
W	1.7	4.7	7									6.1	4.0
WNW	1.7	1.7	3	3								3.0	5.1
NW	7	1.7	1.7									3.0	4.8
NNW	1.7	1.7	2.4	7								5.4	6.8
VARBL													
CALM												29.6	
	22.7	27.5	14.1	1.3								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

297

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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P. 6**STATION NAME****YEARS**

**ADH**

**MONTH**

**ALL WEATHER CLASS**

**ALL**  
**MOVERS (L.S.)**

**CONDITION**

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	5.1	4.0	5	.1							12.3	5.9
NNE	2.6	3.5	3.3	.3	.1							10.9	6.3
NE	1.2	2.2	2.2	.5	.1							6.1	6.3
ENE	1.3	1.0	1.6	.5	.2							4.4	6.3
E	1.5	2.3	1.7	.5	.1							6.2	5.8
ESE	.9	.9	.8	.3								2.8	5.5
SE	.7	.7	.6	.2								2.2	5.5
SSE	1.0	.4	.5	.2								2.1	5.2
S	1.4	1.7	1.1	.3								4.5	5.3
SSW	.9	1.3	.2	.2		.0						3.2	5.8
SW	.5	.7	.5	.1								1.9	5.2
WSW	1.3	.2	.6	.3	.0							3.2	5.7
W	2.2	1.6	1.2	.3	.1							5.4	5.2
WNW	1.1	1.5	1.5	.7								4.7	6.5
NW	1.1	2.1	1.5	.3								4.6	5.6
NNW	1.5	2.4	1.6	.2								5.7	5.5
VARL													
CALM												19.9	
	27.0	22.1	23.4	5.2	.5	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

2371

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION WECIL FIELD, FL STATION NAME WECIL FIELD, FL YEAR 73-74 MONTH DEC  
HOURS (L.S.T.) 01

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	4.3	2.3	0.7								11.6	4.6
NNE	2.3	3.3	2.0	0.7								9.0	4.9
NE		1.3	0.2									1.7	4.8
ENE	1.0	0.3										1.3	2.8
E	0.7	1.0										1.7	4.4
ESE	1.3											1.3	2.0
SE	0.3	1.0	0.3									1.7	5.0
SSE	0.7	0.3										1.0	2.7
S	1.7	2.0	1.2	0.3								6.3	5.3
SSW	1.3	1.3	1.3	0.7								4.3	6.0
SW	0.7	0.3	0.7	0.3								3.7	4.2
WSW	3.0	1.0	0.2	0.3	0.3							4.7	4.2
W	0.7	4.0	0.7	0.3	0.3							8.0	5.0
WNW	0.7	3.3	1.0									6.6	4.4
NW	2.0	2.7	2.7									7.2	5.2
NNW	0.7	2.3	1.7									4.0	5.5
VARBL													
CALM												26.2	
	27.0	22.5	13.6	2.0	0.7							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

301

SMOS

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 00000 CECIL FIELD, FL STATION NAME 73-52 YEARS MONTH DEC HOUR 04 MOORE (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	5.5	2.6	.2								12.6	5.0
NNE	0.3	3.5	1.0	.2								6.6	3.0
NE	1.0	1.2	.2	.7								3.3	6.2
ENE	.7											.7	3.0
E	1.0											1.0	2.7
ESE	.2	.7	.7									1.3	4.5
SE	.7		.7									1.3	6.0
SSE	1.0	.2										1.3	2.8
S	1.3	2.0	1.0	.3								4.3	5.2
SSW	2.0	1.7	.3									4.0	4.7
SW	.3	1.0	.7									2.0	5.3
WSW	1.7	1.0	.7	.2								3.6	5.6
W	0.5	2.3	.7	.3	.7							8.6	5.0
WNW	2.6	2.0	1.2									6.6	4.3
NW	1.7	3.7	.7	.3								6.0	4.7
NNW	1.0	2.6	1.0	.2								5.0	5.5
VARBL												31.0	
CALM												100.0	3.4
	20.2	25.2	11.6	2.6	1.0								

TOTAL NUMBER OF OBSERVATIONS

302

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION COOL FIELD, FL STATION NAME 77-92 YEARS DEC MONTH 07  
HOURS (L.S.T.) 07

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	4.0	2.0	.3								12.5	5.6
NNE	1.3	2.0	2.0	.7								7.9	5.5
NE	1.0	.3	1.0									3.0	4.8
ENE	1.0	.7										1.6	2.8
E	1.0	.7										1.6	3.0
ESE													
SE	.7	.3	.7									1.3	4.0
SSE	1.0	1.3	.7	.3								3.9	4.7
S	2.0	1.3	1.7									5.3	4.3
SSW	1.0	.7	.7									3.0	4.4
SW	1.0	.7	.3									2.3	3.6
WSW	1.0	.3	.7	.3		.3						2.3	8.0
W	2.0	3.0	1.0	1.6								8.2	6.1
WNW	2.0	3.3	2.0									8.2	4.6
NW	1.3	3.5	.7									5.6	4.7
NNW	1.0	1.0	.7									4.3	4.1
VARL													
CALM												28.9	
	23.3	24.3	14.8	3.3		.3						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

304

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 53732 STATION NAME FOOT FIELD, FL YEARS 73-82 MONTH DEC  
HOURS (L.S.T.) 10

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	0.6	5.6	1.3								15.5	6.8
NNE	2.7	3.9	7.9									10.9	5.7
NE	1.7	2.0	1.3	1.0								5.3	6.8
ENE	2.3	.7	1.0									3.9	4.3
E	1.0	.7										1.6	3.2
ESE	1.0		.7	.7								2.0	5.8
SE		1.6	.7	.3								2.6	7.3
SSE	.3	1.0	1.3	1.0								3.6	8.2
S	1.3	2.5	3.3	.7								7.6	6.8
SSW		1.0	2.2	.3								4.3	7.5
SW	.7	1.3	.7									2.6	5.9
WSW	1.6	1.7		.3								3.6	4.5
W	2.2	2.0	1.0	.7								6.6	6.5
WNW	2.0	2.3	1.6	2.0	.3							8.2	7.4
NW	1.0	2.0	2.3	1.0								8.2	6.9
NNW	.7	2.5	2.2									5.3	6.3
VARB.													
CALM												8.2	
	1.4	33.6	29.6	9.2	1.0							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

304

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1955-57 MONTH DEC  
HOURS (L.S.T.) 13

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.3	2.5									6.9	5.8
NNE	1.2	4.5	3.2	3.0								11.5	7.4
NE	.7	1.6	1.0	1.3								4.6	7.5
ENE	1.3	1.3	1.6	.7								4.9	6.7
E	.3	1.6	2.6	.7								5.2	7.9
ESE	.7		.7	.3								1.6	6.2
SE		.7	1.6	1.3								3.6	9.7
SSE	.7	.7	1.7	.7	.3							3.6	8.9
S		1.3	3.6	.3	.7							5.9	9.3
SSW		1.6	1.3	2.3								5.3	9.3
SW	1.3	1.0	1.6	.7								4.6	6.9
WSW	1.0	1.3	2.6	1.3	.3							6.6	8.6
W	1.0	5.3	2.7	3.6	.3							13.5	7.7
WNW	1.6	3.3	3.6	.7	.7							8.9	7.6
NW		1.3	1.6	.7								3.6	7.9
NNW	.7	1.0	2.0	1.0								4.6	7.6
VARBL													
CALM												4.9	
	1.0	2.7	3.3	15.4	2.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

374

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME COVIL FIELD, FL YEARS 73-82 DEC  
MONTH 16  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	2.7	.7								5.6	6.3
NNE	1.7	2.7	3.7	1.0								7.6	7.2
NE	.7	1.7	4.7	.7								6.2	7.9
ENE	.7	2.0	4.7									6.6	6.8
E	.7	3.0	2.7	.7								6.5	6.3
ESE	.7	1.7	2.7	.7	.7							4.5	9.1
SE	.7	1.7	1.7	.7								3.3	7.5
SSE	.7	.7	1.7	.7								2.6	7.8
S	1.7	1.7	2.7	.7								4.9	6.5
SSW	1.7	1.7	1.7	.7								3.3	5.8
SW	.7	2.7	1.7	1.7		.7						5.6	9.6
WSW	.7	2.7	2.7	1.7								6.9	7.2
W	1.7	6.7	3.7	2.7								13.8	7.3
WNNW	.7	3.7	3.7	1.7	.7							8.2	7.8
NW	1.7	3.7	2.7	1.7								7.9	6.2
NNW	.7	1.7	1.7	.7								3.0	5.9
VARB												3.0	
CALM													
	11.0	32.3	37.2	13.2	.7	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

304

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEAR 1952 MONTH DEC  
HOURS (L.S.T.) 19

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	.2	.7								4.3	5.8
NNE	2.0	2.7	2.3	.3								8.4	5.5
NE	1.0	4.0	2.0	.7								7.7	6.0
ENE	3.0	.7	1.3									5.0	4.1
E	2.0	2.0	.7									7.0	3.0
ESE	.7	.7	1.0									2.3	5.1
SE	1.3	1.0		.2								2.3	4.1
SSE	1.0	1.0		.3								2.3	4.7
S	.7	1.0	.7									2.7	4.7
SSW	1.0	2.3	1.0	.3								5.4	5.6
SW	1.3	2.0	.7									4.0	4.3
WSW	1.0	1.0	1.0	.7								3.7	5.7
W	.7	1.0	1.0	.7								6.7	5.4
WNW	1.0	1.0	1.0	.3								4.7	5.8
NW	1.0	2.0	.7	.3								5.0	4.9
NNW	2.0	2.0	.3	.3								6.0	4.6
VARB.													
CALM												22.4	
	22.1	30.4	14.4	4.0	.7							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-80 MONTH DEC  
HOURS (L.S.T.) 22

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.2	2.0									9.4	4.7
NNE	2.7	4.2	2.7									10.0	4.9
NE	1.3	1.7	1.3	.3								4.7	5.5
ENE	1.0											1.0	1.7
E		1.3										1.3	4.8
ESE	1.0	1.0	.7									2.3	3.6
SE		.7	.7									1.3	6.9
SSE	1.7		.7									2.3	4.1
S	1.3	1.0	1.0	.3								3.7	5.9
SSW	.3	.3	1.0									1.7	6.8
SW	1.3	2.0	.7									3.7	4.4
WSW	1.3	1.7	.3									3.7	5.5
W	5.0	2.3	2.3	.3								11.0	4.6
WNW	1.7	3.3	.7									5.4	5.0
NW	1.3	1.3	2.0									4.3	5.9
NNW	6.0	1.3	1.7									4.3	4.0
VARB													
CALM												29.8	
	24.4	27.6	16.7	1.0	.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE STATION NUMBER 13-33 MONTH DEC  
 ALL WEATHER CLAIMS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	4.0	2.7	.5								9.8	5.5
NNE	1.4	3.1	2.5	.7								9.0	5.8
NE	.5	1.6	1.5	.6								4.6	6.4
ENE	1.7	.7	1.0	.1								3.1	5.1
E	1.2	1.2	.7	.2								3.3	5.0
ESE	.7	.1	.5	.0								2.0	5.7
SE	.4	.1	.7	.3								2.2	6.8
SSE	1.0	.1	.5	.4	.0							2.6	6.1
S	1.0	1.2	1.0	.3	.1							5.0	6.2
SSW	1.2	1.3	1.1	.2	.0							3.9	6.4
SW	1.1	1.3	.3	.2		.0						3.6	5.8
WSW	1.4	1.4	1.5	.6	.2							4.4	6.3
W	2.0	3.5	1.7	1.2	.2							9.5	6.1
WNW	1.0	2.5	1.0	.5	.2							7.1	6.0
NW	1.7	2.5	1.7	.4								6.0	5.8
NNW	1.2	1.0	1.0	.2								4.6	5.5
VARBL												19.4	
CALM												100.0	4.8
	22.2	20.3	21.4	6.6	.6	.1							

TOTAL NUMBER OF OBSERVATIONS

2417

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME: COOL FIELD, FL STATION NAME: COOL FIELD, FL YEARS: 73-82 ALL NORTH  
ALL HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	1.3	.3	.0	.0						7.4	5.8
NNE	1.1	1.2	1.2	.3	.0	.0						6.5	5.6
NE	1.0	1.7	1.4	.3	.0	.0						4.8	6.1
ENE	1.1	1.4	1.6	.3	.0	.0						4.8	6.2
E	1.1	1.3	1.1	.6	.1	.0						7.1	6.0
ESE	1.1	1.5	1.2	.3	.0	.0						4.0	5.8
SE	.7	1.1	.7	.2	.0	.0						3.0	5.5
SSE	1.1	1.1	.6	.2	.0	.0						3.1	5.3
S	1.0	1.7	1.1	.4	.1	.0	.0					5.4	5.5
SSW	1.5	1.4	1.2	.4	.1	.0	.0					4.7	5.7
SW	1.4	1.3	1.1	.4	.0	.0						4.4	5.9
WSW	1.3	1.2	1.4	.4	.1	.0	.0					6.7	6.0
W	2.4	1.5	1.0	.8	.1	.0	.0					7.8	6.0
WNW	1.3	1.6	1.1	.4	.0	.0						4.4	5.9
NW	1.1	1.4	.7	.2	.0	.0						3.6	5.6
NNW	1.0	1.2	.5	.2	.0	.0						3.6	5.4
VARBL													
CALM												19.7	
	21.1	28.4	27.4	6.6	.7	.1	.0					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

29096

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION COCK FIELD, FL STATION NAME 77-22 YEARS ALL MONTH ALL  
INSTRUMENT CLAS HOURS (L.S.T.) ALL

010-250 TO 1400 FT 4/1000Y 1/2 MI OR MORE  
ASST/250 WIND 1/2 TO 2-1/2 MI 1/2000 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	4.0	3.4	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	12.2	6.1
NNE	1.0	4.0	3.4	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	12.2	6.2
NE	1.0	2.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	6.4
ENE	0.0	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.6
E	1.0	0.0	0.7	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.2
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.5
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.5
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.7
S	0.0	1.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.5
SSW	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.3
SW	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.6
WSW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	5.9
W	0.0	1.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.3
WNW	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.9
NW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.0
NNW	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	5.8
VBEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	0.0
	22.2	20.0	19.6	7.2	7.7	0.2	0.0	0.0	0.0	0.0	0.0	100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 3907

NOCD, Federal Building  
Asheville, N. C.

## PART D

### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/16
NO CEILING												≥ 0
≥ 1800												
≥ 1500					91.0							92.6
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500										97.4		98.1
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0					95.4		96.9			98.3		100.0

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $> 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		1.7	1.2	1.2	4.4	10.1	47.1	9.1	47.1	51.3	51.3	17.0	12.9	1.0
≥ 18000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 16000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 14000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 12000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 10000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 9000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 8000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 7000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 6000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 5000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 4500		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 4000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 3500		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 3000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 2500		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 2000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 1800		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 1500		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 1200		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 1000		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 900		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 800		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 700		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 600		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 500		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 400		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 300		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 200		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 100		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0
≥ 0		1.7	1.2	4.4	10.1	1.2	12.0	1.2	47.1	51.3	51.3	17.0	12.9	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
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≥ 4500													
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≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ 0
NO CEILING											
≥ 20000											
≥ 18000											
≥ 16000											
≥ 14000											
≥ 12000											
≥ 10000											
≥ 9000											
≥ 8000											
≥ 7000											
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≥ 800											
≥ 700											
≥ 600											
≥ 500											
≥ 400											
≥ 300											
≥ 200											
≥ 100											
0											

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
AI AI													
18000													
AI AI													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (157)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
AI 18000														
AI 16000														
AI 14000														
AI 12000														
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AI 9000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
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100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING														
≥ 20000														
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TOTAL NUMBER OF OBSERVATIONS

DIRN/ VOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING													
≥ 20000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING ≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
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AI 100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING											
≥ 20000											
18000											
16000											
14000											
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

19

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
AI 18000														
AI 16000														
AI 14000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMQS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

DIRECTION

ALL

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6.2  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1700													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

TEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
AI AI													
≥ 16000													
AI AI													
14000													
AI AI													
≥ 12000													
AI AI													
10000													
AI AI													
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400													
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300													
AI AI													
200													
AI AI													
100													
AI AI													
0													
AI AI													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
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100														
AI AI														
0														
AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
≥ 4000												
≥ 3500												
≥ 3000												
≥ 2500												
≥ 2000												
≥ 1800												
≥ 1500												
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



AD-A150 390 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
CECIL FIELD FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

AD-A150 390 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
CECIL FIELD FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

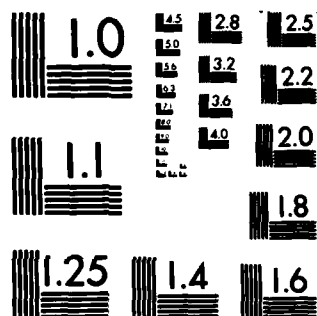
3/4

UNCLASSIFIED F/G 4/2

F/G 4/2

NL

A 10x10 grid of squares, with the top-left square missing.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

CASH FIELD, FL

YEAR

1962

MONTH

12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 7000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 6000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 5000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4500		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3500		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 2500		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 2000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1800		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1500		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1200		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 900		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 800		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 700		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 600		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 500		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 400		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 300		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 200		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 100		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
0		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

15

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
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≥ 1800													
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≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
≥ 0													

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MAP NORTH

YEAR

77-78

STATION NAME

COT FIELD, FL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		55.5	57.4	61.0	60.7	1.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3
≥ 18000		55.5	71.7	71.3	71.0	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6
≥ 16000		65.6	71.7	71.3	71.0	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6
≥ 14000		55.5	71.7	71.3	71.0	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6
≥ 12000		65.6	71.7	71.3	71.0	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6
≥ 10000		72.7	75.5	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7
≥ 9000		72.7	75.5	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7
≥ 8000		74.2	77.4	78.0	78.7	79.1	79.1	79.1	79.1	79.1	79.4	79.4	79.4
≥ 7000		74.2	77.4	78.0	78.7	79.1	79.1	79.1	79.1	79.1	79.4	79.4	79.4
≥ 6000		74.2	77.4	78.0	78.7	79.1	79.1	79.1	79.1	79.1	79.4	79.4	79.4
≥ 5000		75.5	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6
≥ 4500		75.5	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6
≥ 4000		74.2	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6
≥ 3500		76.8	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 3000		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 2500		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 2000		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 1800		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 1500		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 1200		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 1000		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 900		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 800		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 700		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 600		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 500		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 400		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 300		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 200		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
≥ 100		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
0		77.4	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1962

MONTHS

YEAR

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000	11.7	4.5	46.5	47.4	47.7	47.7	48.4	49.7	49.1	45.5	49.8	50.2	50.7
≥ 18000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 16000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 14000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 12000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 10000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 9000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 8000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 7000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 6000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 5000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 4500	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 4000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 3500	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 3000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 2500	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 2000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 1800	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 1500	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 1200	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 1000	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 900	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 800	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 700	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 600	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 500	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 400	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 300	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 200	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 100	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3
≥ 0	11.7	55.5	57.3	55.4	55.3	55.3	55.6	56.3	56.4	60.9	61.2	61.7	62.3

TOTAL NUMBER OF OBSERVATIONS

2452

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DATE

MONTH

YEAR

7-20

STATION NAME

C. C. FIELD, FL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000		5.0	5.0	12.7	64.7	65.0	65.3	65.3	66.0	66.7	67.3	67.7	67.7	67.7	67.7	67.7
≥ 18000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 16000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 14000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 12000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 10000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 8000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 7000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 6000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 5000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 4500		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 4000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 3500		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 3000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 2500		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 2000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 1800		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 1500		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 1200		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 1000		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 900		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 800		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 700		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 600		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 500		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 400		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 300		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 200		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 100		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3
≥ 0		4.0	7.3	74.2	76.3	76.7	77.1	77.0	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3

TOTAL NUMBER OF OBSERVATIONS

12

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
CROSS FIELD, N.C.

APR  
MONTH

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

34  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING														
≥ 20000		47.0	41.0	52.0	56.0	56.0	60.0	62.0	62.0	63.0	63.0	64.0	64.0	64.0
≥ 18000		47.0	54.0	51.0	63.0	63.0	63.0	69.0	69.0	71.0	71.0	72.0	73.0	73.0
≥ 16000		47.0	54.0	53.0	63.0	63.0	68.0	69.0	69.0	71.0	71.0	72.0	73.0	73.0
≥ 14000		45.0	54.0	53.0	63.0	63.0	68.0	69.0	69.0	71.0	71.0	72.0	73.0	73.0
≥ 12000		45.0	55.0	53.0	64.0	64.0	69.0	71.0	71.0	73.0	73.0	74.0	74.0	75.0
≥ 10000		41.0	57.0	52.0	67.0	67.0	72.0	74.0	74.0	76.0	76.0	77.0	78.0	79.0
≥ 9000		41.0	57.0	52.0	67.0	67.0	72.0	74.0	74.0	76.0	76.0	77.0	78.0	79.0
≥ 8000		42.0	57.0	54.0	64.0	64.0	75.0	77.0	77.0	79.0	79.0	80.0	81.0	81.0
≥ 7000		42.0	57.0	54.0	64.0	64.0	75.0	77.0	77.0	79.0	79.0	80.0	81.0	81.0
≥ 6000		42.0	57.0	54.0	64.0	64.0	75.0	77.0	77.0	79.0	79.0	80.0	81.0	81.0
≥ 5000		42.0	57.0	54.0	64.0	64.0	75.0	77.0	77.0	79.0	79.0	80.0	81.0	81.0
≥ 4500		42.0	57.0	54.0	64.0	64.0	75.0	77.0	77.0	79.0	79.0	80.0	81.0	81.0
≥ 4000		43.0	58.0	55.0	65.0	65.0	76.0	78.0	78.0	80.0	80.0	81.0	82.0	82.0
≥ 3500		43.0	61.0	56.0	66.0	66.0	77.0	79.0	79.0	81.0	81.0	82.0	83.0	83.0
≥ 3000		44.0	62.0	57.0	67.0	67.0	79.0	80.0	80.0	82.0	82.0	83.0	84.0	85.0
≥ 2500		49.0	67.0	65.0	75.0	75.0	81.0	82.0	82.0	84.0	84.0	85.0	86.0	87.0
≥ 2000		56.0	64.0	70.0	75.0	75.0	82.0	84.0	84.0	86.0	86.0	87.0	88.0	88.0
≥ 1800		56.0	65.0	71.0	77.0	77.0	83.0	84.0	84.0	86.0	86.0	87.0	88.0	89.0
≥ 1500		57.0	66.0	72.0	79.0	79.0	84.0	86.0	86.0	88.0	88.0	89.0	90.0	90.0
≥ 1200		57.0	66.0	72.0	79.0	79.0	84.0	86.0	86.0	88.0	88.0	89.0	90.0	90.0
≥ 1000		58.0	67.0	73.0	80.0	80.0	85.0	87.0	87.0	89.0	89.0	90.0	91.0	91.0
≥ 900		58.0	67.0	74.0	80.0	80.0	86.0	88.0	88.0	90.0	90.0	91.0	92.0	92.0
≥ 800		58.0	67.0	74.0	81.0	81.0	86.0	88.0	88.0	90.0	90.0	91.0	92.0	92.0
≥ 700		59.0	68.0	74.0	81.0	81.0	87.0	89.0	89.0	91.0	91.0	92.0	93.0	93.0
≥ 600		59.0	68.0	74.0	81.0	81.0	87.0	89.0	89.0	91.0	91.0	92.0	93.0	93.0
≥ 500		59.0	68.0	75.0	81.0	81.0	87.0	89.0	89.0	91.0	91.0	92.0	93.0	93.0
≥ 400		59.0	68.0	75.0	82.0	82.0	88.0	90.0	90.0	92.0	92.0	93.0	94.0	94.0
≥ 300		59.0	68.0	75.0	82.0	82.0	88.0	90.0	90.0	92.0	92.0	93.0	94.0	94.0
≥ 200		59.0	68.0	75.0	82.0	82.0	88.0	90.0	90.0	92.0	92.0	93.0	94.0	94.0
≥ 100		59.0	68.0	75.0	82.0	82.0	88.0	90.0	90.0	92.0	92.0	93.0	94.0	94.0
0		59.0	68.0	75.0	82.0	82.0	88.0	90.0	90.0	92.0	92.0	93.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: COOL FIELD, FL YEAR: 73-74 APP: APR MONTH: APR  
 HOURS (L.S.T.): 07

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000		70.7	50.7	44.7	47.7	46.3	50.3	52.7	56.0	57.7	57.7	58.7	59.7
≥ 18000		58.7	47.7	51.0	54.7	55.3	57.3	58.7	60.0	65.7	65.7	67.3	68.7
≥ 16000		30.7	43.7	51.0	54.7	55.3	57.3	58.7	60.0	65.7	65.7	67.3	68.7
≥ 14000		22.7	43.7	51.0	54.7	55.3	57.3	58.7	60.0	65.7	65.7	67.3	68.7
≥ 12000		24.7	44.7	52.0	55.7	56.3	58.3	59.7	61.0	67.0	67.0	68.7	69.0
≥ 10000		38.7	48.7	54.7	58.7	59.7	61.7	64.0	66.3	70.3	70.3	72.0	73.7
≥ 8000		35.7	48.7	54.7	58.7	59.7	61.7	64.0	66.3	70.3	70.3	72.0	73.7
≥ 7000		20.7	41.0	57.7	60.7	63.3	65.7	68.0	70.3	74.3	74.3	76.0	77.7
≥ 6000		39.7	50.7	57.0	63.7	64.7	67.0	69.3	73.7	75.7	75.7	77.3	79.0
≥ 5000		37.7	50.7	57.0	63.7	64.7	67.0	69.3	73.7	75.7	75.7	77.3	79.0
≥ 4500		40.7	50.7	57.0	63.7	64.7	67.0	69.3	73.7	75.7	75.7	77.3	79.0
≥ 4000		40.7	50.7	57.0	63.7	64.7	67.0	69.3	73.7	75.7	75.7	77.3	79.0
≥ 3500		42.0	53.7	62.0	69.7	71.3	74.0	76.3	78.7	80.7	82.7	84.3	86.0
≥ 3000		43.0	55.0	64.7	71.3	71.3	74.0	76.3	78.7	80.7	82.7	84.3	86.0
≥ 2500		43.7	57.3	65.0	70.3	71.7	74.7	77.0	79.3	81.3	83.3	85.7	87.7
≥ 2000		43.7	58.0	65.7	71.3	72.7	75.7	78.0	80.3	82.3	84.3	86.7	88.0
≥ 1800		43.7	58.0	65.7	71.3	72.7	75.7	78.0	80.3	82.3	84.3	86.7	88.0
≥ 1500		44.0	58.3	66.3	72.3	73.3	76.3	78.7	81.0	83.0	85.0	87.3	89.7
≥ 1200		44.0	58.3	66.3	72.3	73.3	76.3	78.7	81.0	83.0	85.0	87.3	89.7
≥ 1000		44.0	58.3	66.3	72.3	73.3	76.3	78.7	81.0	83.0	85.0	87.3	89.7
≥ 900		45.0	58.7	68.0	73.7	75.0	79.7	80.7	85.7	87.7	89.7	91.0	91.3
≥ 800		45.0	58.7	68.0	73.7	75.0	79.7	80.7	85.7	87.7	89.7	91.0	91.3
≥ 700		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
≥ 600		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
≥ 500		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
≥ 400		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
≥ 300		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
≥ 200		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
≥ 100		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0
0		46.0	59.7	69.3	75.0	76.0	79.7	82.3	86.7	90.3	90.3	92.3	94.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
DATE  
MONTH  
HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 9000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1800		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1200		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 900		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 800		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 700		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 600		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 500		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 400		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 300		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 200		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 100		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 0		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
CELESTIAL, FL  
YEAR  
1968  
MONTH  
APR  
DATE  
11  
HOURS (LST)  
1100

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
AI 18000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 16000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 14000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 12000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 10000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 9000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 8000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 7000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 6000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 5000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 4500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 4000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 3500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 3000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 2500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 2000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 1800		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 1500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 1200		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 1000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 900		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 800		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 700		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 600		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 400		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 300		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 200		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 100		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
0		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS

DIRNA/OCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEAR: 1954 MONTH: APRIL HOURS (LST): 15

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4500			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 3500			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 3000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 2500			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 2000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1800			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1500			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1200			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1000			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 900			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 800			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 700			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 600			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 500			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 400			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 300			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 200			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 100			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 0			51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

77-12

47

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

AD  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

109

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

APC  
MONTH

YEARS

ALL  
HOURS (L S Y)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

2 9

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000		7.0	5.7	5.1	5.1	10.7	61.0	12.3	37.7	54.5	64.5	64.5	64.5
≥ 18000		32.1	22.6	20.7	21.4	21.0	73.3	78.2	74.2	76.5	75.5	77.1	77.1
≥ 16000		12.0	9.7	8.6	8.7	71.0	73.9	74.2	74.2	76.5	76.8	77.1	77.1
≥ 14000		52.0	42.0	40.7	41.0	71.0	73.9	74.2	74.2	76.5	76.8	77.1	77.1
≥ 12000		12.0	9.7	8.6	8.7	71.0	73.9	74.2	74.2	76.5	76.8	77.1	77.1
≥ 10000		33.0	23.6	22.7	23.4	72.0	75.2	75.5	75.5	77.7	78.1	78.4	78.4
≥ 9000		59.0	47.1	44.5	44.5	76.8	79.4	79.7	81.9	82.6	82.6	82.9	82.9
≥ 8000		37.1	27.4	26.8	27.1	77.1	80.0	80.3	82.1	83.2	83.6	83.6	83.6
≥ 7000		10.0	7.1	6.7	6.7	84.5	84.5	84.5	84.5	87.1	87.1	87.4	87.4
≥ 6000		31.0	21.0	19.7	20.3	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 5000		11.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 4500		11.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 4000		11.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 3500		11.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 3000		12.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 2500		13.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 2000		14.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 1800		14.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 1500		14.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 1200		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 1000		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 900		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 800		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 700		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 600		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 500		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 400		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 300		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 200		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
≥ 100		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4
0		15.0	7.1	6.7	6.7	82.3	85.5	85.8	85.8	88.1	88.1	88.4	88.4

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION  
71-22

STATION NAME  
71-22

STATION NAME  
71-22

STATION NAME  
71-22

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME \_\_\_\_\_ DAY \_\_\_\_\_ MONTH \_\_\_\_\_ YEAR \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.0	21.0	31.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
≥ 20000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 18000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 16000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 14000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 12000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 10000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 9000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 8000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 7000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 6000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 5000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 4500	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 4000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 3500	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 3000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 2500	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 2000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 1800	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 1600	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 1400	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 1200	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 1000	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 900	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 800	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 700	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 600	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 500	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 400	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 300	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 200	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 100	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION ASHEVILLE YEARS 73-74 DAY NORTH  
 HOURS (L.S.T.) 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 16000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 14000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 10000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 8000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 7000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 6000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 5000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 4000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 3000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 2500		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 2000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 1800		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 1500		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 1200		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 1000		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 900		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 800		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 700		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 600		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 500		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 400		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 300		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 200		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 100		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
0		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
FIELD 1  
YEAR  
MONTH  
DAY  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
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≥ 4500														
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≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MAY  
MONTH

1952  
YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 18000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 16000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 14000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 12000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 10000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 9000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 8000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 7000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 6000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 5000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 4500		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 4000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 3500		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 3000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 2500		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 2000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 1800		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 1500		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 1200		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 1000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 900		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 800		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 700		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 600		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 500		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 400		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 300		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 200		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 100		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 0		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOSE

MONTH

10

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ 0
NO CEILING											
≥ 20000											
≥ 18000											
≥ 16000											
≥ 14000											
≥ 12000											
≥ 10000											
≥ 9000											
≥ 8000											
≥ 7000											
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≥ 3500											
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≥ 2000											
≥ 1800											
≥ 1500											
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500											
≥ 400											
≥ 300											
≥ 200											
≥ 100											
≥ 0											

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 DATE  
 MONTH  
 YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
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≥ 4500													
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≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
DATE  
MONTH  
YEAR  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING			4.5	45.3	47.5	48.7	42.5	30.1	20.1	11.2	11.4	11.7	12.1	12.4
≥ 20000			5.1	5.1	61.1	41.2	43.0	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 18000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 16000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 14000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 12000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 10000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 9000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 8000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 7000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 6000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 5000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 4500			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 4000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 3500			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 3000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 2500			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 2000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 1800			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 1600			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 1400			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 1200			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 1000			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 900			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 800			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 700			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 600			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 500			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 400			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 300			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 200			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 100			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4
≥ 0			5.1	5.1	51.2	1.1	41.2	43.4	43.7	44.2	45.4	45.6	46.1	46.4

TOTAL NUMBER OF OBSERVATIONS 2479

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

71

HOURLY (L.S.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/16	≥ 1/4
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

7-6

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	7.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

JUN  
MONTH

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1977  
HOURS (L.S.T.)

STATION NAME

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

5

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LLST

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
FIFTH

YEARS  
1961

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH  
JULY

HOURS (L.S.T.)  
13

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 18000		42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000		61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000		63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000		67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000		73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2500		74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1800		76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1600		77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1400		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1200		79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1000		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 900		81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 800		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 700		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 600		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 500		85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 400		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 300		87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 200		88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 100		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 0		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

DATE

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

19

HOURLY (C S F)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
≥ 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
STATION  
MONTHS  
YEAR  
12  
1967

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DATE

YEAR

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING ≥ 20000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 6000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 5000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1800		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1200		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 900		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 800		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 700		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 600		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 500		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 400		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 300		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 200		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 100		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
0		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION	STATION NAME
	C. C. R. I.

**YEAR 83**

**SECRET**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

Q1

MOVIES (L S T) :

[illegible]

TOTAL NUMBER OF OBSERVATIONS

7-11

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

13-2

YEAR

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

34  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000		95.7	95.7	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 18000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 16000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 14000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 12000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 10000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 9000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 8000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 7000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 6000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 5000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 4500		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 4000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 3500		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 3000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 2500		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 2000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 1800		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 1500		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 1200		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 1000		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 900		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 800		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 700		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 600		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 500		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 400		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 300		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 200		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
≥ 100		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3
0		94.2	94.2	91.5	71.4	60.3	55.5	46.0	36.9	25.4	15.7	7.0	2.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

JUL  
MONTH

YEAR

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 0
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
FERRY, NC

YEAR  
1961

MONTH  
JULY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY TOTAL

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

JUL  
MONTH

1965  
YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

10  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING		1.0	2.0	20.2	71.0	25.0	25.0	71.0	25.0	25.0	25.0	25.0	25.0
≥ 20000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 14000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 12000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 9000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 8000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 7000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 6000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 5000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 3500			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 3000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 2500			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 2000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 1800			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 1500			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 1200			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 1000			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 900			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 800			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 700			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 600			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 500			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 400			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 300			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 200			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 100			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
0			4.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
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AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

217

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING ≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
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≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

JUL  
MONTH

YEARS

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 L  
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ½
NO CEILING											
≥ 20000											
≥ 18000											
≥ 16000											
≥ 14000											
≥ 12000											
≥ 10000											
≥ 9000											
8000											
7000											
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1800											
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1200											
1000											
900											
800											
700											
600											
500											
400											
300											
200											
100											
0											

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

7-1

STATION NAME  
FEB 6, 1964

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY TOTAL

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		3.0	7.4	7.7	6.7	13.0	12.3	12.3	6.1	9.3	4.6	34.2	64.5
AI 18000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 16000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 14000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 12000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 10000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 9000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 8000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 7000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 6000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 5000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 4500		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 4000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 3500		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 3000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 2500		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 2000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 1800		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 1500		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 1200		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 1000		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 900		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 800		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 700		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 600		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 500		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 400		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 300		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 200		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 100		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0
AI 0		2.0	7.7	7.1	74.5	74.5	77.1	77.1	77.1	7.4	7.7	75.7	72.0

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
YEAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
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≥ 900														
≥ 800														
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≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

6-66  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
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≥ 700														
≥ 600														
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≥ 400														
≥ 300														
≥ 200														
≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME \_\_\_\_\_ YEAR \_\_\_\_\_ MONTH \_\_\_\_\_ HOURS (L.S.T.) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING ≥ 20000	73.6	57.1	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3
At 18000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 16000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 14000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 12000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 10000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 9000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 8000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 7000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 6000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 5000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 4500	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 4000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 3500	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 3000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 2500	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 2000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 1800	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 1500	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 1200	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 1000	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 900	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 800	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 700	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 600	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 500	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 400	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 300	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 200	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
At 100	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3
0	73.6	51.0	47.6	41.0	30.7	23.9	17.7	14.0	10.7	47.0	40.3	40.3	40.3

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
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≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
≥ 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOUSE NO.

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
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≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
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≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DATE  
MONTH

YEAR

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE YEAR 1954 MONTH ALL  
 HOURS (LST) ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												≥ 0
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
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≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
AI AI													
18000													
AI AI													
≥ 16000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
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14000														
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AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)																	MONTH	YEAR	STATION NAME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CEILING (FEET)	VISIBILITY (STATUTE MILES)																MONTH	YEAR	STATION NAME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950

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# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 18000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 16000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 14000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 12000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 10000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 9000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 8000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 7000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 6000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 5000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 4500			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 4000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 3500			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 3000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 2500			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 2000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 1800			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 1500			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 1200			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 1000			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 900			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 800			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 700			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 600			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 500			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 400			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 300			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 200			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
At 100			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
0			34.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE, NC YEAR: 1962 MONTH: 2 HOURS (L.S.T.): 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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1800													
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1200													
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700													
600													
500													
400													
300													
200													
100													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

MONTH

MONTH

MONTH

MONTH

MONTH

MONTH

MONTH

MONTH

MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
AI 18000																
AI 16000																
AI 14000																
AI 12000																
AI 10000																
AI 9000																
AI 8000																
AI 7000																
AI 6000																
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AI 700																
AI 600																
AI 500																
AI 400																
AI 300																
AI 200																
AI 100																
AI 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: F 103, 11 MONTH: 0-7 HOURS (L.S.T.): 0-1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING													
≥ 20000	67.5	41.4	65.2	65.2	51.7	59.4	61.7	62.7	64.3	64.3	65.0	65.8	65.1
≥ 18000	67.6	51.2	51.7	51.7	62.3	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 16000	67.7	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 14000	67.8	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 12000	67.9	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 10000	68.0	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 9000	68.1	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 8000	68.2	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 7000	68.3	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 6000	68.4	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 5000	68.5	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 4500	68.6	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 4000	68.7	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 3500	68.8	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 3000	68.9	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 2500	69.0	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 2000	69.1	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 1800	69.2	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 1500	69.3	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 1200	69.4	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 1000	69.5	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 900	69.6	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 800	69.7	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 700	69.8	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 600	69.9	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 500	70.0	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 400	70.1	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 300	70.2	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 200	70.3	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 100	70.4	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3
≥ 0	70.5	51.7	51.7	51.7	61.7	44.2	67.1	59.1	70.7	71.0	71.6	71.6	72.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE

TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
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AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
YEAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

STATION  
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
≥ 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		1.0	11.7	30.1	58.0	76.9	89.0	95.6	98.0	99.6	99.9	99.9	99.9
≥ 20000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 16000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 12000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 9000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 7000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 5000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 800		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 600		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 400		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 200		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

DATE (L S Y)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING ≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

NORTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 7000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4500		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3500		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2500		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1800		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1500		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1200		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 900		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 800		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 700		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 600		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 500		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 400		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 300		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 200		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 100		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 0		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
≥ 4000												
≥ 3500												
≥ 3000												
≥ 2500												
≥ 2000												
≥ 1800												
≥ 1500												
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

NOV  
MONTH

TEARS

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION

0.4  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 YEARS  
 MONTH  
 HOUR (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

7

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

DAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/16
NO CEILING ≥ 20000											
AI AI 18000											
AI AI 16000											
AI AI 14000											
AI AI 12000											
AI AI 10000											
AI AI 9000											
AI AI 8000											
AI AI 7000											
AI AI 6000											
AI AI 5000											
AI AI 4500											
AI AI 4000											
AI AI 3500											
AI AI 3000											
AI AI 2500											
AI AI 2000											
AI AI 1800											
AI AI 1500											
AI AI 1200											
AI AI 1000											
AI AI 900											
AI AI 800											
AI AI 700											
AI AI 600											
AI AI 500											
AI AI 400											
AI AI 300											
AI AI 200											
AI AI 100											
AI AI 0											

TOTAL NUMBER OF OBSERVATIONS

287

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
YEAR  
MONTH  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

7

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

1974

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

107

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MOY

MONTH

YEAR

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

7

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

DATE

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 7000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4500		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3500		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2500		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1800		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1500		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1200		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1000		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 900		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 800		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 700		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 600		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 500		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 400		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 300		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 200		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 100		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
0		47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS

2311

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: YEAR: 1942 MONTH: 1 HOURS (L.S.T.): 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING															
≥ 20000															
AI AI															
18000															
AI AI															
16000															
AI AI															
14000															
AI AI															
12000															
AI AI															
10000															
AI AI															
9000															
AI AI															
8000															
AI AI															
7000															
AI AI															
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AI AI															
100															
AI AI															
0															

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING											
≥ 20000											
18000											
16000											
14000											
12000											
10000											
9000											
8000											
7000											
6000											
5000											
4500											
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1800											
1500											
1200											
1000											
900											
800											
700											
600											
500											
400											
300											
200											
100											
0											

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

4

DIRNAVOCEANMET SMOS

## NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

**YEARS**

**MONYM**

MOVERS (L S T )

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

[illegible]

### TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

**SMS**

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
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2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
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2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEAR: 1962 MONTH: 1 HOURS (LST): 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING											
≥ 20000											
18000											
16000											
14000											
12000											
10000											
9000											
8000											
7000											
6000											
5000											
4500											
4000											
3500											
3000											
2500											
2000											
1800											
1500											
1200											
1000											
900											
800											
700											
600											
500											
400											
300											
200											
100											
0											

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING ≥ 20000							77.6	7.9	17.3	0.0	11.3	1.0	11.3	54.5
18000 AI AI							62.3	13.2	13.2	6.5	17.3	14.3	14.3	64.6
16000 AI AI							47.7	3.0	3.0	17.3	11.3	14.3	14.3	64.6
14000 AI AI							63.3	13.2	13.2	17.3	11.3	14.3	14.3	64.6
12000 AI AI							67.7	13.2	13.2	17.3	11.3	14.3	14.3	64.6
10000 AI AI							67.7	13.2	13.2	17.3	11.3	14.3	14.3	64.6
9000 AI AI							67.7	13.2	13.2	17.3	11.3	14.3	14.3	64.6
8000 AI AI							74.7	7.9	7.9	7.9	7.9	7.9	7.9	74.7
7000 AI AI							74.7	7.9	7.9	7.9	7.9	7.9	7.9	74.7
6000 AI AI							74.7	7.9	7.9	7.9	7.9	7.9	7.9	74.7
5000 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
4500 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
4000 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
3500 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
3000 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
2500 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
2000 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
1800 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
1500 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
1200 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
1000 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
900 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
800 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
700 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
600 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
500 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
400 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
300 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
200 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
100 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7
0 AI AI							77.7	17.3	17.3	17.3	17.3	17.3	17.3	77.7

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

511  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

ALL MONTH

YEARS

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



## 3

226

FIELD, L.

73-02

三

STATION

STATION NAME

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	20.7			27.9						14.7	34.6	5.4	306
	04	37.4			19.6						14.7	35.3	5.4	306
	07	18.2			25.6						22.4	33.8	6.2	308
	10	16.5			21.1						27.3	33.1	6.4	308
	13	15.9			19.7						36.2	28.2	6.7	309
	16	14.0			26.3						29.9	28.9	5.4	308
	19	19.8			28.6						20.5	31.2	5.8	308
	22	31.3			17.8						14.0	34.4	5.3	308
TOTALS		22.4			22.7						22.5	32.4	6.0	2461

NAVWEASERVCOM

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97832

Cecil Field, FL

22-21

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STATION

STATION NAME \_\_\_\_\_

PERIOD

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	30.3			18.6						15.2	27.7	4.7	282
	04	30.9			22.7						13.1	33.3	5.2	292
	07	13.4			28.4						15.6	37.6	6.0	282
	10	22.0			21.3						23.0	33.7	6.1	282
	13	18.9			24.5						29.1	27.7	6.1	282
	16	21.6			21.3						27.3	29.8	6.1	282
	19	20.2			28.4						20.6	30.9	5.8	282
	22	34.6			23.4						16.7	25.2	4.7	282
TOTALS		25.6			23.6						20.1	30.7	5.6	2256

# SKY COVER

W. A. C.

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20-2

27

STATION

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	28.7			27.4						16.5	27.4	5.0	310
	04	26.1			23.5						17.7	32.6	5.6	310
	07	13.5			26.5						26.5	33.5	6.5	310
	10	18.1			23.2						29.0	29.7	6.3	310
	13	10.3			22.9						36.8	30.0	7.0	310
	16	10.3			24.2						39.7	26.8	6.9	210
	19	12.3			24.1						25.5	34.2	6.6	310
	22	25.2			28.1						21.3	25.5	5.3	310
TOTALS		18.1			25.5						26.5	30.0	6.2	2480

## 3

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MONTH

## NAVWEASERVCOM



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STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	31.3			27.7						23.5	17.4	4.7	310
	04	25.3			33.9						21.3	19.0	4.8	310
	07	15.2			32.3						29.7	23.9	5.9	310
	10	17.3			31.7						47.3	16.5	6.2	310
	13	5.5			26.8						46.5	21.3	7.1	310
	16	5.4			26.1						36.8	28.7	7.0	310
	19	11.6			30.0						27.4	31.0	6.5	310
	22	25.8			28.7						23.2	22.3	5.2	310
TOTALS		17.0			20.6						31.7	22.5	5.9	2480

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**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	31	19.0			39.3						24.3	17.3	5.1	300
	34	10.3			43.3						22.0	15.3	4.9	300
	37	9.7			30.3						33.7	18.3	5.0	300
	13	7.7			32.3						47.0	13.0	6.5	300
	15	1.0			24.0						57.3	17.7	7.6	300
	14	1.0			22.0						49.7	27.3	7.9	300
	19	3.0			23.0						32.7	41.3	7.8	300
	22	17.0			22.0						31.3	29.7	6.4	300
TOTALS	7.7				30.5						37.3	22.5	6.5	2400



三

PERIOD

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
JUL	21	15.1			39.6					28.1	14.3	5.2	310
	24	17.7			46.1					23.2	12.9	4.8	310
	27	7.4			43.5					32.6	16.5	5.9	310
	12	7.1			38.0					48.7	14.2	5.7	310
	13	.3			16.9					66.1	16.8	8.1	310
	18				22.6					45.5	31.9	5.0	310
	19	.6			21.8					34.8	42.6	5.1	310
	22	6.8			35.2					32.9	25.2	5.5	310
TOTALS		7.7			31.9					39.0	31.9	6.7	2480

NAVWEASERVCOM





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22

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	12.7			45.3						21.7	18.3	5.0	300
	04	17.0			47.3						20.7	15.0	4.8	300
	07	6.3			44.7						33.7	15.3	5.9	300
	10	1.7			27.7						48.7	18.3	7.0	300
	13	1.0			17.7						64.0	17.3	8.0	300
	16	1.0			22.7						41.3	35.0	7.9	300
	1	5.0			26.3						29.0	39.7	7.4	300
	22	14.3			29.7						26.3	29.7	6.2	300
TOTALS		7.7			32.1						35.7	23.6	6.5	2400

## 3

1  
2  
3

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

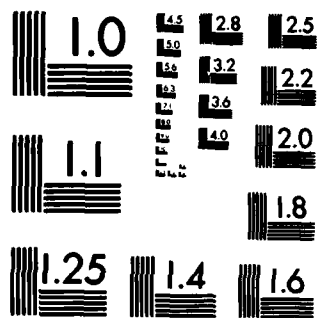
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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CECIL FIELD, FL

73-92

NOV

STATION

STATION NAME

PERIOD

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	31.5			23.7						18.3	26.4	5.0	295
	04	30.5			23.1						18.3	28.1	5.2	295
	07	16.9			27.0						23.6	32.4	6.2	296
	10	25.3			22.6						26.9	25.3	5.6	297
	13	15.8			20.5						38.7	24.9	6.6	297
	16	13.5			30.3						32.0	24.2	6.2	297
	19	23.9			26.6						25.6	23.9	5.5	297
	22	32.3			22.9						14.1	30.6	5.0	297
TOTALS		23.7			24.6						24.7	27.0	5.7	2371

## 3

25956

CECIL FIELD, FL

73-02

DEC

STATION

STATION NAME

PERIOD

**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	33.6			15.6						15.6	35.2	5.4	301
	04	32.1			19.2						12.9	35.8	5.3	302
	07	17.8			27.3						16.8	38.2	6.1	304
	10	10.8			24.0						22.4	34.9	6.2	304
	13	14.5			24.0						31.6	29.9	6.6	304
	16	13.8			27.3						28.6	30.3	6.4	304
	19	23.7			26.4						18.1	31.8	5.6	299
	22	32.8			22.4						12.7	32.1	5.0	299
TOTALS		23.4			23.3						19.8	33.5	5.8	2417

# SKY COVER

91832

CECIL FIELD, FL

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	22.4			22.7						22.5	32.4	6.0	2461
FEB		25.6			23.6						20.1	30.7	5.6	2256
MAR		18.1			25.5						26.5	30.0	6.2	2480
APR		25.0			27.7						26.2	21.1	5.3	2400
MAY		17.0			29.6						31.0	22.5	5.9	2480
JUN		9.7			30.5						37.3	22.5	6.5	2400
JUL		7.3			31.9						39.0	21.9	6.7	2480
AUG		7.7			34.0						40.5	17.8	6.5	2480
SEP		3.7			32.1						35.7	23.6	6.5	2400
OCT		25.6			29.6						23.9	20.9	5.1	2480
NOV		23.7			24.6						24.7	27.0	5.7	2371
DEC		23.4			23.3						19.8	33.5	5.8	2417
TOTALS		17.9			27.9						28.9	25.3	6.0	29105

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## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).



100

**YEARS**

STATION NAME

## STATION

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TOTAL OBS.

NAVWEASERVCOM

# DAILY TEMPERATURES

STATION COLE FIELD, FL YEARS 1950-1951

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

IN INCHES

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1													0.0
2													0.3
3													25.9
4													42.3
5													54.4
6													64.4
7													73.9
8													82.3
9													88.9
10													94.4
11													98.3
12													99.6
13													100.0
14													100.0
15													100.0
16													100.0
17													100.0
18													100.0
19													100.0
20													100.0
21													100.0
22													100.0
23													100.0
24													100.0
25													100.0
26													100.0
27													100.0
28													100.0
29													100.0
30													100.0
31													100.0
32													100.0
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35													100.0
36													100.0
37													100.0
38													100.0
39													100.0
40													100.0
41													100.0
42													100.0
43													100.0
44													100.0
45													100.0
46													100.0
47													100.0
48													100.0
49													100.0
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78													100.0
79													100.0
80													100.0
81													100.0
82													100.0
83													100.0
84													100.0
85													100.0
86													100.0
87													100.0
88													100.0
89													100.0
90													100.0
91													100.0
92													100.0
93													100.0
94													100.0
95													100.0
96													100.0
97													100.0
98													100.0
99													100.0
100													100.0
MEAN	42.0	42.0	57.0	57.2	65.0	66.0	72.0	71.0	70.0	60.7	51.0	44.0	58.3
S.D.	11.1	7.6	6.0	6.5	5.1	3.4	2.4	2.3	3.0	7.6	9.6	10.2	13.0
TOTAL OBS.	100	100	100	100	100	100	100	100	100	100	100	100	100

NAVWEASERVCOM

# DAILY TEMPERATURES

STATION COOL FIELD, FL YEARS 53-57

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
41					1.1	0.2	0.2	13.2	1.4				0.1
42					18.3	50.6	87.8	80.1	53.0	4.9			3.5
43				1.7	62.8	84.8	99.8	98.2	89.9	32.4	4.3		25.7
44		1.2	7.7	19.7	90.2	99.5	100.0	99.7	97.8	63.1	21.6	1.0	42.9
45		9.3	23.8	54.4	79.2	96.5	100.0	100.0	99.8	83.1	43.6	8.2	56.2
46	16.1	21.5	43.8	79.2	96.5	100.0			100.0	64.5	65.0	19.7	67.4
47	31.1	38.7	67.5	95.2	99.9				100.0	88.8	81.2	36.8	77.6
48	46.7	57.1	82.2	98.9	100.0					99.9	93.4	75.1	85.1
49	67.2	76.3	93.3	99.8						100.0	97.8	89.4	92.2
50	83.2	90.3	98.5	100.0							99.6	97.2	96.6
51	93.3	97.0	99.9								99.9	99.5	98.9
52	98.0	99.6	100.0								100.0	99.9	99.8
53	99.7	100.0										100.0	100.0
54	100.0												100.0
55													
56													
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100													
MEAN	4.0	57.0	57.7	67.0	75.0	80.1	82.0	91.6	97.0	97.0	92.3	85.1	60.0
S.D.	0.6	9.074	5.273	5.771	4.486	3.357	2.61	2.778	3.015	6.335	5.150	3.079	12.073
TOTAL OBS.		47	47	47	47	47	47	47	47	47	47	47	177

NAVWEASERVCOM

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

0001 FIELD, FL

3

1209-50271

1972-1973

STATION

STATION NAME

YEARS

MONTH

JANUARY

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	AVERAGE °F	EXTREME °F	EXTREME °C	
1	47.1	14.2	67.2	19.0	27.8	47.1	2.3	-2.2	1956
2	43.1	12.1	64.4	18.0	27.8	43.0	5.1	-2.2	1956
3	40.1	12.4	65.1	18.3	27.8	43.5	6.4	-6.1	1979
4	43.1	12.1	65.2	18.4	29.4	42.2	5.7	-3.3	1979
5	45.1	12.3	64.7	19.2	28.3	42.6	5.0	-1.1	1976*
6	50.1	12.3	66.6	19.2	26.1	43.7	6.5	-1.7	1959
7	50.1	12.9	66.3	19.1	26.7	44.4	6.9	-1.1	1970
8	50.1	11.2	62.0	17.2	26.7	41.6	5.3	-5.6	1970
9	50.1	11.2	63.6	17.6	29.4	41.8	4.0	-6.1	1970
10	50.1	11.1	62.1	16.7	28.9	41.0	5.5	-5.6	1970
11	50.1	10.6	61.3	16.3	30.0	41.0	5.0	-7.8	1982
12	50.1	10.8	61.4	16.3	28.3	41.4	5.2	-9.3	1982
13	50.1	11.2	63.8	17.7	28.3	40.7	4.8	-3.4	1981
14	50.1	11.5	63.6	17.6	26.1	42.1	5.6	-5.6	1964
15	50.1	11.8	64.3	17.0	26.7	42.2	5.7	-5.6	1964
16	50.1	11.1	63.6	17.6	27.2	42.5	4.7	-7.3	1976
17	50.1	10.3	61.3	16.3	25.6	39.7	4.3	-5.0	1977
18	50.1	12.0	65.0	18.3	28.3	42.3	5.7	-6.1	1977
19	50.1	12.2	64.5	18.1	27.2	43.5	6.4	-5.6	1977
20	50.1	12.1	65.4	18.0	27.8	42.3	5.7	-5.6	1977*
21	50.1	12.0	65.3	18.0	27.8	41.8	5.4	-7.2	1971
22	50.1	12.5	66.7	19.3	27.2	42.4	5.8	-4.4	1961
23	50.1	13.0	66.3	19.1	29.4	44.4	6.9	-3.9	1960
24	50.1	12.5	65.7	18.7	28.9	43.3	6.3	-3.9	1960
25	50.1	12.4	66.0	18.9	28.9	42.6	5.0	-4.4	1963
26	50.1	13.3	67.3	19.6	28.4	44.5	6.9	-1.7	1977
27	50.1	13.0	66.8	19.3	28.9	44.0	6.7	-1.7	1977
28	50.1	12.6	66.1	18.9	28.3	43.2	6.0	-3.9	1971
29	50.1	11.9	64.6	18.1	28.3	42.0	5.7	-2.2	1972
30	50.1	12.8	67.4	20.2	30.0	41.0	5.5	-6.1	1966
31	50.1	13.1	66.8	19.3	28.0	44.2	6.2	-6.1	1966
Monthly	50.1	13.1	64.7	18.3	30.0	42.6	5.0	-9.4	1961

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME  
FORD FIELD, FL

YEARS  
1955-1962

MONTH  
FEBRUARY

STATION

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	55.0	13.4	67.5	19.7	93	34.4	1975		44.9	7.2	29	-2.2	1977	
2	55.0	13.3	67.4	19.7	93	34.3	1975		46.2	7.9	29	-3.9	1981	
3	44.6	12.4	64.3	18.2	85	30.7	1957		44.3	6.8	23	-2.2	1966	
4	55.0	11.8	62.7	17.1	94	35.0	1957		43.0	6.1	27	-2.8	1981	
5	44.5	12.3	65.1	18.9	85	30.7	1957		42.9	6.1	27	-2.2	1966	
6	55.0	13.7	67.2	19.6	84	30.0	1957		46.1	7.8	29	-3.9	1966	
7	55.0	14.1	67.9	19.9	83	29.7	1957		46.7	8.3	29	-2.2	1975	
8	55.0	12.1	64.8	18.2	84	29.9	1957		42.9	6.1	29	-1.7	1970	
9	55.0	11.2	64.1	17.8	85	29.4	1957		42.7	5.9	30	-1.1	1971	
10	55.0	12.0	66.5	19.2	83	28.3	1957		42.5	5.8	26	-3.3	1971	
11	55.0	11.9	67.5	19.7	81	27.2	1965		42.2	6.1	26	-3.3	1971	
12	55.0	12.1	65.4	18.5	82	27.3	1965		42.1	5.6	26	-3.3	1981	
13	55.0	12.1	65.8	18.8	82	27.5	1959		41.3	5.2	25	-3.9	1955	
14	55.0	12.7	66.1	20.0	84	28.9	1959		41.6	5.3	27	-2.8	1958	
15	55.0	14.4	71.3	21.3	81	27.2	1976		45.7	7.6	31	-6.6	1971	
16	55.0	14.9	71.1	21.2	84	28.9	1975		47.7	8.7	33	-6.6	1977	
17	55.0	13.7	66.7	19.3	82	27.3	1976		46.5	8.2	26	-3.3	1959	
18	55.0	13.7	66.6	19.2	87	30.8	1975		46.5	8.1	23	-5.0	1958	
19	55.0	14.5	68.3	20.2	84	28.9	1975		47.0	8.9	27	-2.8	1958	
20	55.0	13.7	67.4	19.7	84	28.9	1961		45.3	7.7	29	-1.7	1958	
21	55.0	14.1	66.4	20.9	87	30.4	1953		45.1	7.3	29	-2.2	1959	
22	55.0	13.8	66.3	20.2	85	29.4	1961		45.5	7.9	29	-1.7	1973	
23	55.0	14.2	66.7	20.4	86	30.7	1975		46.4	8.0	24	-4.4	1978	
24	55.0	15.1	71.1	21.7	85	31.1	1962		47.4	9.3	22	-6.6	1969	
25	55.0	14.9	67.9	21.1	83	29.3	1977		47.3	8.5	29	-2.2	1967	
26	55.0	13.7	67.2	19.7	89	31.7	1962		45.5	7.9	22	-5.6	1967	
27	55.0	14.3	71.1	21.7	87	31.4	1962		45.5	7.5	20	-2.2	1974	
28	55.0	14.1	70.0	22.7	81	30.7	1962		46.2	7.9	22	-6.6	1963	
29	55.0	14.2	70.4	21.3	73	26.1	1976		44.7	7.1	37	2.9	1964	
30														
31														
Monthly		13.3	67.5	19.9	80	31.7	1962		45.0	7.2	22	-5.6	1967	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

PAGE

1967-1968

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C				
1	15.4	15.4	71.9	22.2	87	31.1	83	31.1	1972		47.8	9.1	72	2.2			1968	
2	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1953		48.4	9.1	72	2.2			1968	
3	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1976		48.5	9.2	72	2.2			1968	
4	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1964		50.0	10.0	72	2.2			1968	
5	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1976		49.5	9.7	72	2.2			1971	
6	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1961		48.7	9.3	72	2.2			1960	
7	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1961		47.3	8.5	72	2.2			1964	
8	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1964		47.0	8.3	72	2.2			1971	
9	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1964		46.2	7.9	72	2.2			1971	
10	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1974		48.2	9.0	72	2.2			1957	
11	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1974		50.1	10.1	72	2.2			1959	
12	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1975		52.6	11.6	72	2.2			1969	
13	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1982		53.5	11.9	72	2.2			1960	
14	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1973		52.2	11.2	72	2.2			1968	
15	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1973		52.6	11.4	72	2.2			1981	
16	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1973		52.2	11.2	72	2.2			1954	
17	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1982		49.3	9.6	72	2.2			1981	
18	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1963		49.3	9.6	72	2.2			1962	
19	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1962		51.5	10.8	72	2.2			1972	
20	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1982		52.7	11.5	72	2.2			1981	
21	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1968		52.2	11.2	72	2.2			1956	
22	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1968		50.7	10.4	72	2.2			1960	
23	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1975		49.5	9.7	72	2.2			1971	
24	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1975		52.2	11.2	72	2.2			1968	
25	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1954		50.2	10.2	72	2.2			1968	
26	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1965		50.5	10.3	72	2.2			1979	
27	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1954		49.1	9.5	72	2.2			1965	
28	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1981		52.2	11.2	72	2.2			1955	
29	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1977		55.6	13.1	72	2.2			1955	
30	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1975		56.4	13.6	72	2.2			1955	
31	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1970		56.2	13.4	72	2.2			1964	
Monthly	15.4	15.4	71.9	22.2	83	31.1	83	31.1	1974		50.8	10.4	72	2.2			1960	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1972-1973 MONTH APRIL

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	57	13.9	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
2	57	13.9	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
3	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
4	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
5	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
6	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
7	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
8	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
9	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
10	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
11	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
12	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
13	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
14	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
15	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
16	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
17	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
18	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
19	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
20	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
21	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
22	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
23	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
24	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
25	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
26	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
27	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
28	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
29	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
30	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
31	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972
Monthly	56	13.3	70.5	21.4	92	33.9	72	26.7	55.5	13.1	43	5.6	1972

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 120000 FIELD, FL 1950-1967 YEARS MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	72.0	22.2	3.4	23.8	97	35.5	1981	1981	67.2	16.8	52	11.1	1967
2	72.5	22.5	3.4	23.8	97	35.5	1982	1982	61.7	16.5	51	10.6	1971
3	72.6	22.6	4.3	28.9	97	35.5	1967	1967	61.4	16.3	50	10.0	1981
4	72.2	22.2	3.5	28.6	94	34.4	1974	1974	67.6	18.9	67	8.3	1971
5	72.1	22.1	3.5	28.6	93	33.8	1985	1985	67.7	18.6	45	8.9	1971
6	72.4	22.4	4.7	29.1	97	35.5	1985	1985	60.5	15.9	48	8.9	1973
7	73.2	23.2	6.4	29.7	97	35.5	1977	1977	62.3	16.8	52	11.1	1982
8	73.2	23.2	5.2	29.7	94	34.4	1982	1982	62.4	16.9	50	10.0	1982
9	73.3	23.3	4.9	29.4	95	35.0	1982	1982	67.1	17.3	49	9.4	1960
10	72.9	22.9	4.7	29.2	93	33.8	1974	1974	61.7	16.5	53	11.7	1982
11	74.7	23.7	6.5	30.7	97	35.5	1973	1973	62.0	17.2	52	10.0	1969
12	73.9	23.9	6.6	30.7	97	35.5	1967	1967	63.3	17.4	53	11.7	1981
13	74.1	24.1	6.9	30.5	100	37.3	1967	1967	63.8	17.7	53	11.7	1981
14	73.9	23.9	6.6	30.3	100	37.3	1967	1967	67.4	17.4	50	10.0	1960
15	74.2	24.2	7.2	30.7	94	34.4	1967	1967	67.0	17.7	55	12.8	1960
16	74.3	23.3	6.6	30.7	93	33.8	1970	1970	63.3	17.4	55	12.8	1973
17	73.1	23.2	6.9	30.5	93	33.8	1963	1963	63.3	17.4	49	9.4	1973
18	74.4	24.4	7.8	31.0	97	35.5	1981	1981	64.0	17.8	57	13.9	1979
19	75.7	24.3	7.8	31.0	95	35.0	1963	1963	63.6	17.6	53	11.7	1979
20	76.0	24.9	8.4	31.3	97	35.5	1962	1962	64.9	18.3	54	12.2	1976
21	76.3	24.9	8.9	31.3	99	37.2	1962	1962	64.7	18.2	54	12.2	1954
22	76.7	24.9	7.6	30.7	92	36.7	1962	1962	65.8	18.8	53	11.7	1981
23	76.7	24.9	7.4	30.7	97	35.5	1962	1962	65.8	18.8	53	11.7	1981
24	76.9	24.9	7.1	30.4	97	35.5	1953	1953	66.5	17.2	54	12.2	1954
25	77.0	25.3	8.6	31.4	101	37.3	1953	1953	66.7	19.3	57	13.9	1967
26	77.0	25.3	8.3	31.4	100	37.2	1962	1962	66.5	19.2	47	8.3	1979
27	77.1	25.1	7.6	30.3	100	37.2	1967	1967	66.6	19.2	47	8.3	1979
28	77.4	25.2	8.1	31.2	111	37.3	1967	1967	66.6	19.2	52	12.8	1961
29	77.0	25.3	8.3	31.4	93	34.7	1967	1967	66.6	19.2	50	14.4	1979
30	77.7	25.4	8.6	31.4	97	35.5	1961	1961	66.7	19.3	55	12.8	1971
31	77.0	25.6	8.7	32.1	99	37.2	1981	1981	67.2	19.6	50	14.4	1971
Monthly	77.0	25.1	8.6	30.7	101	37.3	1967	1967	63.0	17.7	47	8.3	1979

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION: ASCI FLDG, FV STATION NAME: 1951-1952 YEARS: JUL MONTH:

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	7.0	25.9	24.1	31.9	90	37.7	1953	67.7	19.8	59	15.0	1971
2	37.0	25.3	37.5	30.9	96	35.6	1981	67.7	19.4	52	14.4	1961
3	7.0	25.6	29.2	31.7	95	35.7	1981*	66.2	19.4	51	14.4	1956
4	7.0	25.7	25.0	31.1	96	35.6	1931*	66.7	2.4	63	17.2	1963
5	7.0	25.9	3.4	31.7	97	36.1	198	68.8	2.4	60	15.6	1972*
6	7.0	25.7	26.2	31.2	97	36.1	1971	68.2	2.1	60	15.6	1971
7	7.0	26.1	26.1	31.7	97	36.1	1981	68.8	2.4	63	17.2	1956
8	7.0	26.2	26.1	31.7	96	35.6	1982*	69.1	20.6	63	17.2	1972
9	7.0	26.3	26.3	32.1	99	37.0	1954	68.9	20.5	61	16.1	1976
10	7.0	26.5	26.5	32.3	102	37.9	1954	69.3	20.7	63	17.2	1960
11	7.0	26.7	2.1	32.3	97	36.1	1981*	69.9	21.1	5	14.4	1961
12	7.0	26.4	26.8	32.1	98	36.7	1977	69.2	20.7	59	15.0	1960
13	36.0	26.9	21.2	32.7	102	36.9	1977	69.6	20.9	62	16.7	1979
14	26.0	26.9	26.7	32.5	107	37.9	1981	70.4	21.3	61	16.1	1980
15	26.0	26.3	26.1	32.3	101	38.3	1981	70.3	21.3	66	18.9	1980*
16	26.0	26.3	26.1	32.3	102	38.9	1981	70.2	21.2	65	18.3	1974
17	7.0	24.4	24.1	31.7	102	38.9	1981	70.1	21.2	61	16.1	1961
18	7.0	24.4	29.4	21.0	101	38.3	1981	69.8	21.0	60	15.6	1961
19	7.0	25.7	2.2	32.3	100	37.9	1981	69.9	21.1	61	16.1	1965
20	7.0	25.6	29.4	31.7	97	36.1	1981*	70.3	21.4	60	15.6	1965
21	6.0	27.7	25.2	32.3	100	37.8	1970	71.0	21.7	59	15.0	1965
22	5.0	27.2	28.9	32.7	102	38.9	1970	71.0	21.7	61	16.1	1965
23	2.0	27.2	28.4	32.4	96	38.9	1953	71.3	21.3	69	20.6	1979
24	1.0	27.2	21.2	32.7	98	36.7	1954	70.7	21.5	66	18.9	1972
25	7.0	27.1	21.5	32.5	92	36.7	1981*	71.1	21.7	65	18.3	1966
26	7.0	26.8	29.2	32.1	96	36.7	1978	70.8	21.6	63	17.2	1956
27	7.0	26.8	26.0	32.2	100	37.9	1978	70.8	21.6	67	19.4	1979*
28	1.0	27.2	2.7	32.7	102	38.3	1978	71.4	21.3	67	19.4	1974*
29	7.0	26.9	26.1	32.3	111	38.3	1979	70.9	21.0	63	17.2	1974
30	1.0	27.4	21.8	33.1	101	38.3	1978	71.1	21.0	61	16.1	1961
31	7.0	27.6	29.8	32.1	102	38.9	1981*	69.8	21.0	5	14.4	1961*
Monthly												

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

3

STATION

1957-1982

STATION NAME

YEARS

MONTH

JULY

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	AVERAGE °F	EXTREME °F	
1	77.8	25.4	33.4	100	71.8	22.1	1978
2	77.0	25.0	33.4	100	72.2	22.3	1972
3	77.8	25.4	33.4	100	71.8	22.1	1973
4	77.6	25.3	33.3	100	71.4	21.9	1979
5	77.7	25.4	33.3	98	71.8	22.1	1980
6	77.7	25.4	33.4	100	71.6	22.1	1981
7	77.8	25.4	33.3	100	72.1	22.3	1981
8	77.4	25.2	32.7	98	71.6	22.0	1966
9	77.3	25.1	32.5	97	72.0	22.2	1980
10	77.6	25.3	32.7	99	72.2	22.3	1980
11	77.7	25.4	33.2	100	72.1	22.3	1981
12	77.7	25.4	33.3	101	72.0	22.2	1981
13	77.7	25.4	33.3	101	71.9	22.2	1981
14	77.7	25.4	33.7	101	72.1	22.3	1981
15	77.7	25.4	33.4	102	72.0	22.7	1981
16	77.9	25.5	33.1	101	72.8	22.7	1981
17	77.9	25.5	33.6	102	72.0	22.2	1981
18	77.6	25.3	32.9	100	72.0	22.2	1981
19	77.7	25.4	33.3	97	72.0	22.2	1981
20	77.8	25.4	33.3	99	72.3	22.4	1973
21	77.7	25.4	32.9	101	72.7	22.6	1973
22	77.7	25.4	32.9	97	72.5	22.5	1954
23	77.7	25.4	33.2	98	71.9	22.2	1981
24	77.9	25.5	33.4	99	72.4	22.4	1981
25	77.6	25.3	32.7	97	72.3	22.4	1981
26	77.7	25.4	33.0	98	72.4	22.4	1981
27	77.6	25.3	33.4	100	72.3	22.4	1981
28	77.6	25.3	33.3	100	72.8	22.7	1972
29	77.6	25.3	33.7	100	72.7	22.6	1972
30	77.9	25.5	33.5	99	72.4	22.4	1981
31	77.7	25.4	33.2	100	72.1	22.3	1981
Monthly	77.8	25.4	33.2	102	72.2	22.3	1981

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAVY FIELD, FL 1963-1967 YEARS MONTH AUGUST

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	AVERAGE °F	EXTREME °F	EXTREME °C
1	1.0	27.6	81.3	32.3	99	37.7	72.1	22.2
2	2.0	28.1	82.7	33.7	99	37.7	72.3	22.4
3	3.0	27.7	82.3	33.5	99	37.7	72.3	22.3
4	4.0	27.8	82.3	33.5	100	37.8	72.3	22.4
5	5.0	27.9	82.1	33.4	101	38.3	72.3	22.4
6	1.0	27.7	81.6	33.1	102	37.8	72.3	22.2
7	1.0	27.7	81.1	33.4	103	37.8	71.8	22.1
8	1.0	27.8	81.7	33.2	99	36.7	72.6	22.6
9	1.0	27.5	81.3	32.8	97	36.1	71.7	22.1
10	1.0	27.7	81.0	33.3	97	36.1	71.9	22.2
11	1.0	27.6	81.4	33.2	99	36.7	71.8	22.1
12	1.0	27.6	81.7	32.7	99	37.7	72.5	22.5
13	1.0	27.3	81.5	32.5	99	36.7	71.8	22.1
14	0.0	27.2	81.6	32.2	99	36.7	71.2	21.3
15	1.0	27.3	81.8	32.8	97	36.1	71.8	22.1
16	1.0	27.4	81.4	33.2	99	36.7	71.1	21.7
17	1.0	27.7	81.7	33.2	101	38.3	72.2	22.3
18	1.0	27.4	81.7	32.5	99	37.2	72.0	22.2
19	1.0	27.4	81.6	32.3	98	36.7	72.0	22.2
20	1.0	27.3	81.4	32.4	100	37.8	71.7	22.1
21	1.0	27.3	81.6	32.0	99	36.7	71.7	22.1
22	1.0	27.3	81.7	32.0	100	37.8	71.8	21.9
23	0.0	27.1	81.7	32.1	96	36.6	71.5	21.9
24	0.0	26.7	81.1	31.7	98	35.7	71.3	21.8
25	0.0	26.7	81.3	31.6	96	35.6	71.4	21.9
26	1.0	27.2	81.7	32.3	91	35.7	71.3	21.8
27	1.0	27.3	80.2	32.3	97	36.1	72.0	22.2
28	1.0	26.9	80.3	31.6	97	36.1	71.8	22.1
29	1.0	26.3	80.4	31.7	91	35.7	71.5	21.9
30	1.0	27.2	81.1	32.3	96	36.4	71.9	22.2
31	1.0	26.3	80.1	31.7	97	36.1	71.7	22.1
Monthly	1.0	27.4	81.8	32.1	101	37.3	71.8	22.1

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION ASCI FIELD, FL YEARS 1967-1987 MONTH SEPTEMBER

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
2	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
3	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
4	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
5	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
6	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
7	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
8	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
9	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
10	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
11	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
12	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
13	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
14	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
15	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
16	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
17	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
18	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
19	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
20	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
21	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
22	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
23	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
24	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
25	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
26	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
27	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
28	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
29	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
30	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
31	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966
Monthly	71.1	21.7	71.1	21.7	93	34.4	67	19.4	71.1	21.7	67	19.4	1966

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME

1003-1962

OCTOBER

STATION

CV FIELD, FL

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	74.7	24.3	76.1	24.5	77.1	25.6	66.7	19.3	56	13.3	19.3	56	1974
2	75.0	24.4	75.7	24.6	76.3	25.2	66.1	19.5	57	13.9	18.9	57	1974
3	74.7	23.7	75.1	23.9	75.9	24.4	65.4	19.6	52	11.1	18.6	52	1974
4	74.4	23.0	73.5	23.6	74.6	24.2	65.3	18.5	51	10.0	18.5	51	1974
5	73.4	23.3	73.3	23.5	74.5	24.2	64.4	18.0	50	10.0	18.0	50	1974
6	72.0	23.3	73.3	23.5	74.5	24.2	64.5	18.1	51	10.6	18.1	51	1979
7	72.0	23.3	73.2	23.4	74.4	24.1	64.4	18.2	51	10.6	18.2	51	1979
8	72.0	23.3	73.3	23.5	74.5	24.2	63.6	17.6	49	8.9	17.6	49	1979
9	72.3	23.2	73.6	23.7	74.7	24.3	64.3	17.9	53	11.7	17.9	53	1980
10	72.3	22.9	73.3	23.5	74.5	24.2	63.2	17.3	53	11.7	17.3	53	1976
11	71.1	22.3	71.8	22.7	72.7	23.2	62.4	16.9	51	10.0	16.9	51	1971
12	71.3	21.8	71.3	21.4	72.4	22.4	61.2	16.2	52	11.1	16.2	52	1976*
13	71.7	22.1	71.5	21.5	72.5	23.1	62.0	16.7	48	8.9	16.7	48	1977
14	71.8	22.1	71.1	21.3	72.3	23.0	62.5	16.9	41	5.0	16.9	41	1977
15	71.0	21.4	71.5	21.6	72.6	23.0	60.6	15.9	40	4.4	15.9	40	1977
16	71.0	21.7	71.3	21.4	72.4	23.0	60.7	15.9	43	6.1	15.9	43	1973
17	70.0	21.2	70.9	21.6	72.6	23.0	60.6	15.9	42	5.6	15.9	42	1977
18	70.0	20.8	70.8	21.3	72.3	23.0	59.2	15.1	39	3.9	15.1	39	1977
19	70.0	20.8	70.3	21.0	72.7	23.0	58.8	14.9	47	8.3	14.9	47	1967
20	67.0	19.7	70.3	21.3	72.3	23.0	57.3	14.2	45	7.2	14.2	45	1981
21	58.0	14.0	70.7	21.3	72.3	23.0	57.4	14.1	42	5.6	14.1	42	1964
22	58.0	14.0	70.7	21.3	72.3	23.0	59.8	15.4	41	5.0	15.4	41	1976
23	58.0	14.0	70.7	21.3	72.3	23.0	59.2	15.1	44	6.7	15.1	44	1976
24	67.0	19.7	70.7	21.3	72.3	23.0	58.5	14.7	45	7.2	14.7	45	1974
25	67.0	19.7	70.7	21.3	72.3	23.0	57.0	13.9	39	3.3	13.9	39	1982
26	65.0	18.9	70.7	21.3	72.3	23.0	55.1	12.8	40	4.4	12.8	40	1980
27	65.0	18.9	70.7	21.3	72.3	23.0	54.2	12.3	41	5.0	12.3	41	1980
28	65.0	18.9	70.7	21.3	72.3	23.0	56.3	13.5	37	2.8	13.5	37	1957
29	65.0	18.9	70.7	21.3	72.3	23.0	56.2	13.4	43	4.4	13.4	43	1968
30	65.0	18.9	70.7	21.3	72.3	23.0	56.5	13.9	37	2.8	13.9	37	1973
31	65.0	18.9	70.7	21.3	72.3	23.0	57.0	13.9	4	4.4	13.9	4	1963
Monthly	71.4	21.4	71.5	21.6	72.3	23.0	60.7	15.9	37	2.8	15.9	37	1973*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME

1953-1962

MONTH

STATION

YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	DATE	DATE	°F	°C	°F	°C	°F	°C	DATE	DATE
1	6.6	19.2	76.7	24.8	83	24.8	83	31.1	1961	1961	56.5	13.6	73	3.7	3.9	1963	1964	1964
2	6.4	19.1	77.0	25.0	87	25.0	87	30.6	1971	1971	55.1	13.2	39	3.9	3.9	1963	1963	1963
3	6.5	18.6	75.9	24.4	80	24.4	80	31.7	1972	1972	55.1	12.8	29	-1.7	-1.7	1954	1954	1954
4	6.2	17.9	75.0	23.9	85	23.9	85	29.4	1972	1972	53.5	11.9	30	-1.1	-1.1	1966	1966	1966
5	7.1	17.2	73.7	23.2	87	23.2	87	30.6	1974	1974	52.2	11.2	36	2.2	2.2	1976	1976	1976
6	7.2	17.3	73.9	23.3	80	23.3	80	31.7	1974	1974	52.6	11.4	33	.6	.6	1976	1976	1976
7	7.1	16.9	73.5	23.1	81	23.1	81	27.2	1975*	1975*	51.4	10.8	32	3.3	3.3	1967	1967	1967
8	7.2	16.9	72.6	22.6	82	22.6	82	27.8	1975*	1975*	51.7	10.9	35	1.7	1.7	1976	1976	1976
9	7.1	16.6	73.0	22.8	84	22.8	84	28.9	1975*	1975*	50.7	10.4	28	-2.2	-2.2	1976	1976	1976
10	7.1	16.4	72.6	22.6	83	22.6	83	28.3	1979*	1979*	50.6	10.3	34	1.1	1.1	1976	1976	1976
11	7.0	16.7	72.8	22.7	94	22.7	94	26.9	1966	1966	51.3	1.7	77	2.8	2.8	1971	1971	1971
12	7.1	16.9	73.0	22.8	84	22.8	84	28.9	1972	1972	52.1	11.2	36	2.2	2.2	1977	1977	1977
13	7.1	16.2	72.0	22.2	87	22.2	87	30.6	1972	1972	50.3	10.2	70	-1.1	-1.1	1963	1963	1963
14	7.1	16.3	72.8	22.7	84	22.7	84	28.9	1955	1955	49.8	9.9	73	.6	.6	1969*	1969*	1969*
15	7.3	16.5	74.0	23.3	87	23.3	87	30.6	1957	1957	50.7	10.4	71	-1.1	-1.1	1969	1969	1969
16	7.4	17.4	74.8	23.8	91	23.8	91	27.4	1961*	1961*	52.0	11.1	71	-6	-6	1969	1969	1969
17	7.7	18.2	76.2	24.6	84	24.6	84	28.9	1957	1957	53.3	11.8	31	-6	-6	1971	1971	1971
18	7.7	17.6	75.5	24.2	85	24.2	85	29.4	1979	1979	51.9	11.0	31	-6	-6	1972	1972	1972
19	7.8	17.3	74.3	23.5	83	23.5	83	28.7	1971	1971	52.1	11.2	71	3.3	3.3	1968	1968	1968
20	7.8	16.2	71.4	21.7	83	21.7	83	28.7	1964	1964	50.9	10.5	73	.6	.6	1961	1961	1961
21	7.8	15.9	71.7	22.1	87	22.1	87	30.6	1973	1973	49.4	9.7	71	-1.1	-1.1	1968	1968	1968
22	7.8	15.2	70.9	21.6	84	21.6	84	28.9	1973	1973	47.7	8.7	72	.6	.6	1981	1981	1981
23	7.8	16.0	72.0	22.2	83	22.2	83	28.3	1979	1979	49.7	9.8	72	.6	.6	1956	1956	1956
24	7.8	16.2	72.5	22.5	83	22.5	83	28.3	1973	1973	49.6	9.9	24	-4.4	-4.4	1971	1971	1971
25	7.8	15.3	71.6	21.4	87	21.4	87	30.6	1973	1973	48.6	9.2	23	-5.0	-5.0	1973	1973	1973
26	7.8	14.4	71.3	21.3	85	21.3	85	29.4	1973	1973	46.3	7.9	73	.6	.6	1975	1975	1975
27	7.8	16.7	73.9	23.3	85	23.3	85	30.6	1973	1973	50.0	10.0	72	.6	.6	1977	1977	1977
28	7.8	16.7	72.7	22.6	87	22.6	87	30.6	1973	1973	51.6	11.9	29	-1.7	-1.7	1950	1950	1950
29	7.8	14.7	69.2	20.7	85	20.7	85	20.4	1978	1978	47.8	8.8	71	-6	-6	1974*	1974*	1974*
30	7.5	13.1	66.5	19.2	85	19.2	85	20.4	1982	1982	44.5	6.9	26	-3.3	-3.3	1959	1959	1959
31	7.8	1.7	73.3	22.7	89	22.7	89	31.7	1974*	1974*	51.1	10.6	73	-5.0	-5.0	1971	1971	1971
Monthly																		

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1953-1982

1953-1982

STATION FIELD, FL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE		EXTREME		AVERAGE		EXTREME			
			°F	°C	°F	°C	°F	°C	°F	°C		
1	4.7	12.6	16.6	19.2	54	20.9	1982	42.7	5.9	73	-2.2	1979
2	5.3	13.5	58.7	20.1	53	20.3	1982	44.7	7.1	73	.6	1966
3	57.3	14.2	63.9	21.1	53	20.3	1982	45.3	7.4	73	.6	1974
4	57.3	14.1	63.1	20.7	34	20.9	1982	45.3	7.4	20	-1.7	1974
5	5.3	14.6	7.3	21.3	35	20.4	1982	46.0	7.8	72	.0	1968
6	5.3	14.6	69.4	20.8	33	20.3	1972	46.9	8.3	71	-0.6	1981
7	5.3	14.0	67.6	19.8	35	20.7	1978	46.9	8.2	27	-2.8	1962
8	57.3	14.1	61.4	20.2	35	20.4	1978	46.5	8.1	20	-2.2	1959
9	57.3	13.9	61.4	20.2	34	20.9	1972	45.5	7.5	29	-1.7	1965
10	5.3	12.9	65.3	18.3	36	30.0	1972	44.5	6.9	20	-1.7	1955
11	5.3	13.3	67.4	19.7	37	30.6	1971	44.6	7.0	27	-2.8	1961
12	56.3	13.3	67.5	19.7	35	20.4	1971	46.1	7.8	22	-5.6	1962
13	5.3	14.1	57.6	19.5	36	20.1	1972	46.0	8.3	12	-11.1	1962
14	5.3	13.7	67.6	19.8	34	20.9	1972	45.6	7.6	22	-5.6	1962
15	5.3	13.3	66.3	19.4	34	20.9	1972	46.2	7.9	24	-4.4	1962
16	4.8	12.0	64.3	18.2	34	20.9	1971	44.4	6.9	24	-4.4	1963
17	4.8	12.3	64.3	19.3	32	27.8	1961	43.2	6.3	24	-4.4	1968
18	5.3	11.4	5.2	18.4	34	20.0	1967	45.5	4.7	27	-2.8	1955
19	5.3	11.9	66.3	19.1	36	20.0	1967	40.6	4.8	23	-5.2	1981
20	5.3	12.9	66.5	19.2	33	20.3	1967	43.9	6.6	24	-4.4	1981
21	4.3	12.2	65.3	18.3	33	20.3	1967	43.0	6.1	24	-4.4	1981
22	3.3	12.1	5.4	12.0	33	20.3	1970	41.7	5.4	26	-3.3	1973
23	5.3	13.1	65.7	19.3	37	20.3	1956	44.0	6.3	24	-4.4	1973
24	5.3	13.3	66.3	19.3	31	27.2	1981	45.3	7.4	27	-2.0	1975
25	5.3	12.9	55.3	18.2	38	26.7	1964	44.8	7.1	27	-2.8	1963
26	5.3	11.7	63.3	17.3	77	25.6	1964	42.9	6.1	26	-3.3	1961
27	4.4	12.4	65.6	19.7	30	26.7	1982	43.2	6.2	26	-3.3	1977
28	5.3	13.1	65.3	19.3	32	27.8	1982	45.3	7.4	20	-2.2	1977
29	5.3	13.7	67.3	19.3	32	26.7	1982	45.5	7.7	28	-2.2	1961
30	5.3	14.1	67.1	19.3	31	27.3	1971	47.7	5.7	23	-5.2	1961
31	5.3	14.6	65.0	20.3	34	20.9	1973	44.0	5.9	20	-2.2	1961
Monthly	-5.3	12.3	67.3	19.4	37	3.6	1971	44.0	7.1	12	-11.1	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION CECIL FIELD, FL STATION NAME ASHEVILLE, NORTH CAROLINA YEARS 53-57

WIND SPEEDS IN MPH

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
3	17	58	88	11	99	97	98	98	98	98	98	98	98
4	82	81	89	89	89	87	87	87	87	87	87	87	87
5	73	60	87	89	85	94	94	87	93	88	84	80	99
55	79	83	87	88	86	92	95	80	91	97	83	84	100
57	82	76	84	87	95	94	97	90	94	93	87	77	97
58	74	77	80	90	82	95	95	95	94	94	85	78	95
59	82	84	82	85	83	96	96	96	93	93	86	78	96
60	73	81	82	87	86	94	96	95	90	89	84	75	96
61	73	85	88	92	95	97	100	97	96	86	88	84	100
62	82	89	85	97	100	95	98	97	95	93	82	80	100
63	82	80	89	90	95	97	97	100	95	88	82	79	100
64	83	79	87	89	94	100	94	96	96	91	83	84	100
65	83	82	87	90	94	95	95	94	93	80	83	76	95
66	82	82	85	89	92	93	98	100	94	90	84	81	100
67	82	92	90	93	101	95	94	95	94	89	84	86	101
68	82	73	92	93	93	95	100	98	95	93	84	83	100
69	80	80	94	90	93	98	98	92	92	91	85	81	98
70	83	77	88	95	95	102	98	90	99	91	82	83	102
71	82	87	89	90	95	99	97	99	92	93	87	87	99
72	84	83	87	93	90	97	100	101	96	93	89	86	101
73	82	70	82	89	97	95	101	94	94	94	87	84	101
74	85	80	93	92	94	95	94	93	94	87	89	81	95
75	87	87	90	90	96	94	94	96	98	90	84	79	98
76	81	83	88	92	91	95	99	96	93	92	82	79	99
77	74	83	89	93	95	102	97	94	95	94	83	79	102
78	80	76	84	95	96	102	101	96	96	90	85	86	102
79	81	82	88	89	92	97	100	96	95	88	83	79	100
80	79	82	87	91	94	97	101	101	96	91	83	79	100
81	84	84	91	91	99	102	102	97	95	93	83	79	100
82	84	84	92	96	96	97	98	92	95	93	83	79	100
MEAN	82.6	82.2	87.0	87.5	84.8	87.0	87.4	87.0	84.3	84.3	84.5	81.8	89.0
S.D.	3.27	3.20	3.17	2.37	2.82	2.73	2.43	2.21	1.96	2.81	2.13	3.26	2.22
TOTAL OBS.	31	84	93	90	93	93	93	93	97	93	93	93	1051

SMOS

## EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

● ●  
● ●  
● ●  
● ●  
● ●

7-11-55

STATION

**STATION NAME**

YEARS

WHOLE DEGREES FAREWELL  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 72370 CECIL FIELD, FL STATION NAME YEARS 53-52

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	32	33	34	35	36	37	38	39	40	41	42	43	37
2	33	34	35	36	37	38	39	40	41	42	43	44	38
3	34	35	36	37	38	39	40	41	42	43	44	45	39
4	35	36	37	38	39	40	41	42	43	44	45	46	40
5	36	37	38	39	40	41	42	43	44	45	46	47	41
6	37	38	39	40	41	42	43	44	45	46	47	48	42
7	38	39	40	41	42	43	44	45	46	47	48	49	43
8	39	40	41	42	43	44	45	46	47	48	49	50	44
9	40	41	42	43	44	45	46	47	48	49	50	51	45
10	41	42	43	44	45	46	47	48	49	50	51	52	46
11	42	43	44	45	46	47	48	49	50	51	52	53	47
12	43	44	45	46	47	48	49	50	51	52	53	54	48
13	44	45	46	47	48	49	50	51	52	53	54	55	49
14	45	46	47	48	49	50	51	52	53	54	55	56	50
15	46	47	48	49	50	51	52	53	54	55	56	57	51
16	47	48	49	50	51	52	53	54	55	56	57	58	52
17	48	49	50	51	52	53	54	55	56	57	58	59	53
18	49	50	51	52	53	54	55	56	57	58	59	60	54
19	50	51	52	53	54	55	56	57	58	59	60	61	55
20	51	52	53	54	55	56	57	58	59	60	61	62	56
21	52	53	54	55	56	57	58	59	60	61	62	63	57
22	53	54	55	56	57	58	59	60	61	62	63	64	58
23	54	55	56	57	58	59	60	61	62	63	64	65	59
24	55	56	57	58	59	60	61	62	63	64	65	66	60
25	56	57	58	59	60	61	62	63	64	65	66	67	61
26	57	58	59	60	61	62	63	64	65	66	67	68	62
27	58	59	60	61	62	63	64	65	66	67	68	69	63
28	59	60	61	62	63	64	65	66	67	68	69	70	64
29	60	61	62	63	64	65	66	67	68	69	70	71	65
30	61	62	63	64	65	66	67	68	69	70	71	72	66
31	62	63	64	65	66	67	68	69	70	71	72	73	67
32	63	64	65	66	67	68	69	70	71	72	73	74	68
33	64	65	66	67	68	69	70	71	72	73	74	75	69
34	65	66	67	68	69	70	71	72	73	74	75	76	70
35	66	67	68	69	70	71	72	73	74	75	76	77	71
36	67	68	69	70	71	72	73	74	75	76	77	78	72
37	68	69	70	71	72	73	74	75	76	77	78	79	73
38	69	70	71	72	73	74	75	76	77	78	79	80	74
39	70	71	72	73	74	75	76	77	78	79	80	81	75
40	71	72	73	74	75	76	77	78	79	80	81	82	76
41	72	73	74	75	76	77	78	79	80	81	82	83	77
42	73	74	75	76	77	78	79	80	81	82	83	84	78
43	74	75	76	77	78	79	80	81	82	83	84	85	79
44	75	76	77	78	79	80	81	82	83	84	85	86	80
45	76	77	78	79	80	81	82	83	84	85	86	87	81
46	77	78	79	80	81	82	83	84	85	86	87	88	82
47	78	79	80	81	82	83	84	85	86	87	88	89	83
48	79	80	81	82	83	84	85	86	87	88	89	90	84
49	80	81	82	83	84	85	86	87	88	89	90	91	85
50	81	82	83	84	85	86	87	88	89	90	91	92	86
51	82	83	84	85	86	87	88	89	90	91	92	93	87
52	83	84	85	86	87	88	89	90	91	92	93	94	88
53	84	85	86	87	88	89	90	91	92	93	94	95	89
54	85	86	87	88	89	90	91	92	93	94	95	96	90
55	86	87	88	89	90	91	92	93	94	95	96	97	91
56	87	88	89	90	91	92	93	94	95	96	97	98	92
57	88	89	90	91	92	93	94	95	96	97	98	99	93
58	89	90	91	92	93	94	95	96	97	98	99	100	94
59	90	91	92	93	94	95	96	97	98	99	100	101	95
60	91	92	93	94	95	96	97	98	99	100	101	102	96
61	92	93	94	95	96	97	98	99	100	101	102	103	97
62	93	94	95	96	97	98	99	100	101	102	103	104	98
63	94	95	96	97	98	99	100	101	102	103	104	105	99
64	95	96	97	98	99	100	101	102	103	104	105	106	100
65	96	97	98	99	100	101	102	103	104	105	106	107	101
66	97	98	99	100	101	102	103	104	105	106	107	108	102
67	98	99	100	101	102	103	104	105	106	107	108	109	103
68	99	100	101	102	103	104	105	106	107	108	109	110	104
69	100	101	102	103	104	105	106	107	108	109	110	111	105
70	101	102	103	104	105	106	107	108	109	110	111	112	106
71	102	103	104	105	106	107	108	109	110	111	112	113	107
72	103	104	105	106	107	108	109	110	111	112	113	114	108
73	104	105	106	107	108	109	110	111	112	113	114	115	109
74	105	106	107	108	109	110	111	112	113	114	115	116	110
75	106	107	108	109	110	111	112	113	114	115	116	117	111
76	107	108	109	110	111	112	113	114	115	116	117	118	112
77	108	109	110	111	112	113	114	115	116	117	118	119	113
78	109	110	111	112	113	114	115	116	117	118	119	120	114
79	110	111	112	113	114	115	116	117	118	119	120	121	115
80	111	112	113	114	115	116	117	118	119	120	121	122	116
81	112	113	114	115	116	117	118	119	120	121	122	123	117
82	113	114	115	116	117	118	119	120	121	122	123	124	118
83	114	115	116	117	118	119	120	121	122	123	124	125	119
84	115	116	117	118	119	120	121	122	123	124	125	126	120
85	116	117	118	119	120	121	122	123	124	125	126	127	121
86	117	118	119	120	121	122	123	124	125	126	127	128	122
87	118	119	120	121	122	123	124	125	126	127	128	129	123
88	119	120	121	122	123	124	125	126	127	128	129	130	124
89	120	121	122	123	124	125	126	127	128	129	130	131	125
90	121	122	123	124	125	126	127	128	129	130	131	132	126
91	122	123	124	125	126	127	128	129	130	131	132	133	127
92	123	124	125	126	127	128	129	130	131	132	133	134	128
93	124	125	126	127	128	129	130	131	132	133	134	135	129
94	125	126	127	128	129	130	131	132	133	134	135	136	130
95	126	127	128	129	130	131	132	133	134	135	136	137	131
96	127	128	129	130	131	132	133	134	135	136	137	138	132
97	128	129	130	131	132	133	134	135	136	137	138	139	133
98	129	130	131	132	133	134	135	136	137	138	139	140	134
99	130	131	132	133	134	135	136	137	138	139	140	141	135
100	131	132	133	134	135	136	137	138	139	140	141	142	136
MEAN	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	73.4
S.D.	5.07	5.08	5.09	5.10	5.11	5.12	5.13	5.14	5.15	5.16	5.17	5.18	5.19
TOTAL OBS.	137	137	137	137	137	137	137	137	137	137	137	137	137

SMOS

## EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

100

**STATION NAME**

**YEARS**

WIDE DEGREES FAVORABLE  
/RATING IN LESS THAN FULL MONTHS/

[illegible]

SMOS

# PSYCHROMETRIC SUMMARY

STATION CECIL FIELD, FL STATION NAME YEARS 72-52 JAN MONTH PAGE 1 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
66/83									.0	.1								1	1			
67/84								.1	.1	.1								8	8			
68/85							.1	.4	.2	.2								18	18			
69/86							.4	.4	.3	.3	.0							36	36			
70/87					.1	.3	.3	.2	.0	.0								23	23			
71/88			.0	.2	.2	.2	.2	.1	.1									20	20			
72/89				.3	.4	.4	.3	.1	.0	.0	.1							40	40			
73/90			.5	.6	.9	.4	.4	.1	.1	.0	.0							77	77			
74/91		.1	.7	.4	.4	.1	.1	.2	.2	.1	.0							59	59	28		
75/92	.0	.9	.6	.7	.4	.2	.2	.2	.2	.1	.0							86	86	63	5	
76/93	.2	1.5	1.4	.7	.5	.2	.3	.2	.2	.2	.0							128	128	118	45	
77/94	.3	1.3	.9	.8	.4	.3	.4	.2	.2	.2	.1							122	122	119	96	
78/95	.3	2.2	.9	.7	.7	.2	.2	.2	.2	.2	.1							128	128	113	104	
79/96	.2	2.2	1.3	.4	.4	.3	.1	.3	.2	.2	.0							137	137	138	117	
80/97	.2	2.6	1.2	.3	.4	.4	.2	.3	.2	.2								135	135	117	137	
81/98	.2	2.4	1.1	.4	.3	.2	.2	.3	.0									124	124	152	154	
82/99	.1	2.2	1.3	.7	.4	.6	.4	.4	.4									152	152	128	116	
83/100	.2	2.1	1.1	.6	.8	.4	.2	.2	.0									137	137	133	128	
84/101	.3	1.3	1.3	.9	.3	.7	.3	.2	.0									119	119	128	106	
85/102	.2	1.5	.7	.9	.5	.4	.2	.0										116	116	125	101	
86/103	.2	1.5	1.0	1.1	1.1	.5	.1	.1										136	136	135	104	
87/104	.2	.6	1.0	.7	.5	.4	.1											54	84	110	82	
88/105	.1	.6	1.2	.7	.6	.2	.0											90	90	104	98	
89/106	.1	1.1	1.1	1.7	.2	.2	.0											94	94	117	70	
90/107	.1	1.3	1.6	.6	.3	.1												98	98	121	74	
91/108	.2	1.1	.9	.5	.4	.0												73	73	104	108	
92/109	.1	.9	.8	.3	.3	.0												66	66	122	93	
93/110	.1	.5	.8	.4	.2													53	53	72	104	
94/111	.8	.6	.5															45	45	65	88	
95/112	.4	.5	.2															29	29	55	93	
96/113	.2	.2	.1															12	12	46	77	
97/114	.1	.2	.2	.1														7	7	28	65	
98/115	.1	.0	.0															4	4	7	55	
99/116	.1	.0	.0															1	1	8	53	
Element (X)	ΣX <sup>2</sup>				ΣX				$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						TOTAL				
Rel. Hum.												≥ 0 F						≥ 80 F		≥ 93 F		Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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# PSYCHROMETRIC SUMMARY

STATION 53522 CECIL FIELD, FL STATION NAME 77-82 YEARS MONTH JAN PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
16 / 17		.1																2	2	1	36
16 / 15		.0																1	1	4	36
14 / 13																					32
12 / 11																					22
17 / 9																					25
5 / 7																					17
6 / 3																					7
4 / 3																					4
2 / 1																					2
0 / - 1																					1
- 2 / - 3																					1
- 4 / - 5																					2
TOTAL	1.230	.023	.014	.610	.2	6.0	4.8	3.0	2.6	.7	.1	.1						2461	2461	2461	2461
																			</		

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14718 2097-54321

STATION	DATE	TIME	REMARKS
0-332			

CECIL FIELD, FL  
57A

STATION NAME	7.
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73-92

**YEARS**

033

PAGE 2

HOURS (L.S.T.)

[illegible]

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# PSYCHROMETRIC SUMMARY

STATION 07632 CFCIL FIELD, FL 77-30 MAP MONTH  
 YEARS  
 PAGE 1  
 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Wet Bulb	
62/ 91													.1	.0				3	3	
63/ 89												.0	.0	.0				4	4	
65/ 87										.2	.3	.1	.0	.0				17	17	
66/ 85										.5	.3	.0	.0	.1				32	32	
64/ 83						.1	.5	.6	.2	.1	.1	.2	.1	.1				47	47	
62/ 81					.0	.1	.4	.2	.4	.2	.2	.1	.0	.0				45	45	
60/ 79					.4	.3	.4	.6	.5	.3	.2	.2						85	85	
70/ 77					.2	.4	.6	.8	.4	.3	.1							85	85	
76/ 75			.1	.3	.7	.4	.3	.6	.5	.4	.2	.1						101	101	
74/ 73		.1	.6	1.3	.5	.4	.7	.5	.3	.2	.2	.0						126	126	
72/ 71		.2	1.1	.9	.7	.6	.7	.3	.3	.3	.2	.1						133	133	
70/ 69	.2	1.2	1.5	.2	.7	.9	.4	.4	.3	.2	.2	.1						171	171	
68/ 67	.7	1.5	1.0	1.0	.6	.8	.6	.4	.3	.2	.2							183	183	
66/ 65	.3	2.9	1.8	.7	.6	.4	.5	.6	.2	.2	.2							208	208	
64/ 63	.2	2.9	1.4	1.2	.6	.4	.4	.2	.3	.1	.0							190	190	
62/ 61	.3	1.7	1.0	.8	.4	.4	.5	.2	.4	.0								146	146	
60/ 59	.2	1.5	1.0	.6	.4	.4	.2	.3	.2									124	124	
58/ 57	.1	1.3	1.5	.9	.5	.5	.2	.4										122	122	
56/ 55	.5	.8	1.3	.6	.6	.4	.1	.1										107	107	
54/ 53	.4	1.1	1.2	.8	.3	.2	.1	.0										101	101	
52/ 51	.1	1.1	1.2	.8	.6	.2	.1											100	100	
50/ 49	.1	.4	1.9	.3	.3	.3	.1											82	82	
48/ 47	.1	.9	.4	.5	.4	.7	.0											70	70	
46/ 45	.1	.5	1.2	.2	.2	.1												57	57	
44/ 43		.7	.5	.4	.0	.0												43	43	
42/ 41	.7	.5	.4	.2														29	29	
40/ 39		.4	.4	.1	.0													23	23	
38/ 37		.2	.2	.1	.0													13	13	
36/ 35	.5	.6	.3	.2	.0													17	17	
34/ 33	.5	.1	.0	.0	.0													5	5	
32/ 31		.2																4	4	
30/ 29	.0		.0	.0	.0													3	3	
28/ 27	.0		.0															2	2	
26/ 25																		2	2	
Element (X)	ΣX <sup>2</sup>			ΣX			Σ	σ <sub>x</sub>	No. Obs.			Mean No. of Hours with Temperature						TOTAL		
Rel. Hum.												≥ 30 F						Total		
Dry Bulb												≥ 67 F								
Wet Bulb												≥ 73 F								
Dew Point												≥ 80 F								
												≥ 93 F								

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STATION	DATE	TIME	WIND	WAVE	SWELL	SEA	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE LENGTH	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE LENGTH
0300														
0400														
0500														
0600														
0700														
0800														
0900														
1000														
1100														
1200														
1300														
1400														
1500														
1600														
1700														
1800														
1900														
2000														
2100														
2200														
2300														
2400														
2500														
2600														
2700														
2800														
2900														
3000														
3100														
3200														
3300														
3400														
3500														
3600														
3700														
3800														
3900														
4000														
4100														
4200														
4300														
4400														
4500														
4600														
4700														
4800														

CECIL FIELDS, FL

73-92

STATION NAME

YEARS

**MA**  
**MONTH**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

# PSYCHROMETRIC SUMMARY

STATION 20932 CECIL FIELD, FL STATION NAME 77-52 YEARS MONTH APR PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL					
																			D.B./W.B.		Dry Bulb		Wet Bulb		Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31									
94/ 93										.1	.1	.1	.1	.1				2	2							
92/ 91									.2	.3	.1	.2	.1	.1				9	9							
90/ 89									.5	.6	.1	.2	.1	.1				24	24							
88/ 87									.7	.7	.4	.5	.1	.0	.0			43	43							
86/ 85									1.0	.5	.1	.1	.0	.1				74	74							
84/ 83									.7	.5	.1	.1	.0	.1				63	63							
82/ 81					.1	.5	.6	.7	.5	.3	.5	.3	.2					92	92							
80/ 79				.1	.4	1.0	.9	1.2	1.2	.6	.4	.5	.2					154	154							
78/ 77			.1	.2	1.1	.6	1.0	1.0	.8	.4	.1	.2		.0				133	133							
76/ 75			.2	.3	1.0	1.2	1.2	.6	.4	.3	.5	.2						142	142		4					
74/ 73	.1	.1	.7	.7	.9	.9	.5	.7	.4	.6	.4							140	140		32					
72/ 71	.1	.1	1.6	1.0	1.0	.6	.8	.5	.5	.2	.2	.1	.0					162	162		78					
70/ 69	.1	1.2	2.0	.5	.8	.3	.5	.4	.3	.0								177	177		27					
68/ 67		1.4	2.6	1.7	.4	.5	.4	.4	.3	.0								186	186		86					
66/ 65	.2	1.6	2.4	1.4	.5	.3	.2	.4	.2	.1								176	176		142					
64/ 63	.1	1.7	1.9	1.4	.5	.4	.3	.1	.1									154	154		197					
62/ 61		1.7	2.4	1.0	.5	.2	.4	.2	.0									157	157		213					
60/ 59	.1	1.5	2.4	.9	.7	.2	.2	.2										145	145		242					
58/ 57		1.1	1.6	.5	.4	.2	.2	.1										93	93		229					
56/ 55		.8	1.6	.6	.2	.2	.1											86	86		203					
54/ 53		.6	1.2	.6	.1	.1	.1											65	65		182					
52/ 51		.3	.4	.3	.2	.0												39	39		175					
50/ 49		.2	1.0	.7	.1	.0												36	36		119					
48/ 47		.1	.6	.1	.1	.0												19	19		117					
46/ 45		.2	.2	.0														13	13		64					
44/ 43		.1	.2	.2														11	11		87					
42/ 41		.1	.0															3	3		78					
40/ 39	.0																	1	1		60					
38/ 37	.0																	1	1		47					
36/ 35																					30					
34/ 33																					27					
32/ 31																					20					
30/ 29																					9					
28/ 27																					12					
Mean No. of Hours with Temperature																					Total					
≤ 0 F										≥ 32 F																
≤ 0 F										≥ 73 F																
≤ 0 F										≥ 80 F																
Element (X)																										
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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## PSYCHROMETRIC SUMMARY

STATION	02320
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CECIL FIELD, FL

STATION NAME

73-92

YEARS

APPENDIX

**MONTH**

**PAGE 2**

HOURS (L.S.T.)

[illegible]

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# PSYCHROMETRIC SUMMARY

STATION: CECIL FIELD, FL STATION NAME: YEARS: 77-78 MONTH: MAY PAGE 1 HOURS (L.S.T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		D.B./W.B.	TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb		
95/ 07																		3				
96/ 08																		6				
94/ 93																		17				
92/ 91																		35				
92/ 89																		66				
92/ 87																		117				
96/ 85																		116				
94/ 83																		170				
92/ 81																		148				
90/ 79																		162				
98/ 77																		144				
96/ 75																		141				
94/ 73																		192				
92/ 71																		253				
90/ 69																		256				
88/ 67																		211				
96/ 65																		150				
94/ 63																		103				
92/ 61																		79				
90/ 59																		50				
88/ 57																		26				
86/ 55																		16				
84/ 53																		11				
82/ 51																		5				
80/ 49																		3				
98/ 47																						
96/ 45																						
94/ 43																						
92/ 41																						
90/ 39																						
98/ 37																						
TOTAL	2.7	17.3	22.4	10.8	7.6	7.6	9.3	6.0	6.0	4.2	2.7	1.9	.8	.2	.1			2480		2480		

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	13042112	172970	69.7	19.563	2460	≥67 F	≥73 F	≥80 F	≥93 F		Total	
Dry Bulb	17892763	184343	74.3	8.743	2480	60.1	392.1	230.1	7.9		744.0	
Wet Bulb	1112870	165556	66.8	5.542	2480	421.6	109.2	.9			744.0	
Dew Point	9773757	154743	62.4	6.909	2480	237.9	34.8				744.0	

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## PSYCHROMETRIC SUMMARY

STATION 32832

CECIL FIELD, FL  
STATION NAME

73-22

YEARS

2000

**PAGE 1**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
102/101													.1					3	3			
100/99											.1	.1	.0					6	6			
98/97											.1	.3	.0					14	14			
96/95											.4	.2	.0	.0				30	30			
94/93											.2	.0	.2	.1				73	73			
92/91											.3	1.0	.6	.2	.1			133	133			
90/89										.4	1.2	2.0	.3	.2				119	119			
88/87									.0	1.0	2.7	1.3	.4	.2				144	144			
86/85									1.0	2.0	1.5	.7	.6	.0	.1			165	165			
84/83									2.0	2.1	.9	.5	.2	.2				156	156			
82/81									1.2	1.2	.6	.2	.0					139	139	3		
80/79									1.6	.7	.2	.1						163	163	54		
78/77									.6	.2	.1	.1						226	226	232	13	
76/75									.7	.0	.0							257	257	443	86	
74/73									.2	.0	.0							280	280	543	337	
72/71									.2	.0								269	269	451	599	
70/69									.3	.2								137	137	353	532	
68/67									.2	.0								69	69	185	353	
66/65									.2									14	14	84	208	
64/63									.0									1	1	36	113	
62/61									.0									2	2	12	81	
60/59																				2	37	
58/57																				2	23	
56/55																					12	
54/53																					6	
TOTAL	4.2	17.2	24.0	10.6	9.9	8.3	7.7	6.3	5.5	3.5	2.3	1.0	.3	.0				2400	2400	2400	2400	

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total	
Rel. Hum.	17643294	176054	73.4	17.488	2400	≥32 F	≥30 F	≥27 F	≥23 F	≥19 F	≥93 F	Total	
Dry Bulb	17312415	197833	79.5	7.600	2400					714.9	572.4	317.7	720.0
Wet Bulb	12640333	173965	72.5	3.560	2400					670.2	382.5	4.2	720.0
Dew Point	11539847	166101	69.2	3.868	2400					576.0	213.5		720.0

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# PSYCHROMETRIC SUMMARY

STATION 52832 CECIL FIELD, FL STATION NAME 72-82 MONTH JUL

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101										.1	.2	.2	.1					1	1		
100/99										.1	.3	.4	.2					15	15		
99/97								.1	.1	.3	.4	.2	.1					28	28		
96/95								.1	.6	.8	.4	.1	.0	.0				53	53		
94/93						.0	.4	.5	2.1	.8	.4	.0						104	104		
92/91					.2	1.0	1.9	2.3	1.5	.2	.0							126	126		
90/89					.2	.6	2.5	2.7	.3	.1								146	146		
88/87				.0	.2	1.9	2.9	.7	.3	.0								172	172		
86/85				.2	1.2	2.7	1.2	.2	.3	.0								151	151	1	
84/83		.0	.5	1.2	2.7	1.2	.2	.2										151	151	6	
82/81	.0	.1	1.0	3.0	1.2	.2	.2	.0										143	143	36	2
80/79	.6	3.6	2.5	1.0	.2	.1												197	197	178	16
78/77	.2	3.2	5.5	1.6	.2	.0												266	266	436	75
76/75	.9	7.6	6.2	.9	.1	.0												391	391	586	270
74/73	1.9	7.3	2.8	.4	.1													310	310	614	705
72/71	1.7	3.7	.6	.1														150	150	413	743
70/69	.6	1.2	.4															56	56	146	413
68/67	.1	.2	.2															13	13	38	138
66/65	.2	.1	.7															7	7	18	62
64/63																				5	37
62/61																				1	15
60/59																					2
58/57																					2
TOTAL	5.724	128.917	0	7.9	6.2	7.2	6.3	5.2	2.5	1.5	.5	.1	.0					2460	2480	2480	

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	15196471	189567	76.4	16.879	2480	≥67 F	≥73 F	≥80 F	≥93 F			Total
Dry Bulb	16338971	200473	80.8	7.340	2480	741.9	676.2	354.0	60.3			744.0
Wet Bulb	13794908	184808	74.5	3.054	2480	736.8	557.7	33.9				744.0
Dew Point	12820895	173169	71.8	2.897	2480	708.6	436.8	5.4				744.0

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# PSYCHROMETRIC SUMMARY

STATION 97332 CECIL FIELD, FL STATION NAME 73-32 YEARS MONTH AUG PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96 / 97										.1	.2	.1						8	8		
95 / 95										.2	.5	.2						22	22		
94 / 93							.1	.3	1.5	.8	.1	.3						68	68		
92 / 91						.1	.5	1.6	1.7	.4	.2							107	107		
90 / 89					.1	.4	2.0	2.9	.7	.1								147	147		
88 / 87					.6	2.6	3.0	.7	.2									175	175		
86 / 85				.1	1.0	3.3	1.1	.1										161	161		
84 / 83			.4	1.4	3.4	1.7	.4											181	181		
82 / 81		.0	.8	2.1	2.0	.4	.1											135	135	8	
80 / 79		.4	2.7	3.1	.6	.2	.0											172	172	102	5
78 / 77	.1	2.6	5.2	1.8	.4	.0												249	249	403	47
76 / 75	.6	6.9	6.5	1.3	.2													381	381	572	217
74 / 73	2.0	7.4	4.2	.5	.0													350	350	623	596
72 / 71	2.7	4.4	1.0	.3														210	210	478	798
70 / 69	1.9	1.5	.2															89	89	222	528
68 / 67	.5	.2	.1															19	19	53	194
66 / 65	.0	.2																6	6	16	53
64 / 63																				3	32
62 / 61																					7
60 / 59																					1
TOTAL	7.923	521.0	10.6	9.0	8.6	7.2	5.4	4.3	1.8	.6	.1							2480	2480	2479	

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	15707391	193251	78.0	16.101	2470	≥0 F	≥32 F	≥47 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb	15260038	197716	79.7	6.878	2487				646.8	323.4	29.4	744.0
Wet Bulb	13504382	183406	74.0	2.894	2487				738.3	512.4	10.8	744.0
Dew Point	12680269	177177	71.5	2.636	2479				716.1	384.5	2.8	744.0

NAWSEASERVCOM



# PSYCHROMETRIC SUMMARY

STATION CFCIL FIELD, FL STATION NAME YEARS 73-92 SEP MONTH  
 PAGE 1 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Wet Bulb	Dew Point
96/91									.0	.1								3	3	
94/93									.1	.3	.6	.3	.0					34	34	
92/91							.1	.7	1.3	.5	.3							70	70	
90/89						.1	.8	2.0	1.1	.5	.1							112	112	
88/87					.2	1.5	2.7	1.7	.2	.1	.0							148	148	
86/85				.1	1.5	2.0	1.5	.6	.1									158	158	
84/83		.0	.2	.7	2.1	1.6	.9	.4	.1	.1	.0							148	148	
82/81		.0	.5	1.7	2.1	.3	.4	.2										138	138	2
80/79	.0	.3	1.4	2.1	1.3	.8	.2	.0	.1	.0	.1							156	156	39
78/77	.1	1.2	4.0	2.4	.7	.4	.1	.0										230	230	234
76/75	.3	4.1	5.8	2.1	.5	.7	.1											314	314	412
74/73	1.1	5.2	4.0	2.0	.3	.2	.0		.0									356	356	524
72/71	2.1	5.2	3.2	1.0	.2	.0		.1										281	281	518
70/69	1.0	1.5	1.3	.7	.1	.0												114	114	297
68/67	.2	.5	1.5	.5	.1	.0												66	66	161
66/65		.8	.7	.2	.0		.0											43	43	76
64/63		.2	.2	.1		.1												13	13	68
62/61		.0	.1	.0														4	4	33
60/59		.1	.0	.0														5	5	13
58/57		.1	.0		.0													4	4	12
56/55			.1															2	2	4
54/53																		1	1	3
52/51																				2
50/49																				2
48/47																				3
46/45																				4
44/43																				4
TOTAL	4.92	9.23	9.13	8.2	8.5	7.0	5.5	3.4	1.9	.9	.0							2400	2400	2400

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# PSYCHROMETRIC SUMMARY

STATION: CECIL FIELD, FL STATION NAME: 73-82 MONTH: OCT PAGE 1 HOURS (L.S.T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
94/ 93																		2	2											
92/ 91																		6	6											
90/ 89																		21	21											
88/ 87																		27	27											
86/ 85																		59	59											
84/ 83																		93	93											
82/ 81																		101	101											
80/ 79																		133	133	4										
78/ 77																		135	135	10	3									
76/ 75																		144	144	45	4									
74/ 73																		194	194	114	37									
72/ 71																		243	243	208	90									
70/ 69																		227	227	276	142									
68/ 67																		218	218	282	216									
66/ 65																		183	183	238	235									
64/ 63																		147	147	258	244									
62/ 61																		128	128	219	233									
60/ 59																		83	83	172	220									
58/ 57																		77	77	144	159									
56/ 55																		71	71	126	149									
54/ 53																		55	55	93	177									
52/ 51																		40	40	97	124									
50/ 49																		40	40	61	93									
48/ 47																		16	16	60	74									
46/ 45																		13	13	35	73									
44/ 43																		10	10	17	47									
42/ 41																		10	10	13	37									
40/ 39																		4	4	11	39									
38/ 37																				6	42									
36/ 35																				1	16									
34/ 33																					17									
32/ 31																					7									
30/ 29																					2									
Element (X)	ΣX																		X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature								
Rel. Hum.																						≤ 0 F	≥ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																														
Wet Bulb																														
Dew Point																														

Mean No. of Hours with Temperature

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≥ 32 F

≤ 0 F

σ<sub>x</sub>

X̄

No. Obs.

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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STATION	29-7-
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CFCIL FIELD, FL STA

72-92

YEARS

CCY  
MONTH

PAGE 2

**HOURS (L S Y )**

[illegible]

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

STATION  
CECIL FIELD, FL  
73-13  
NOV  
MONTH  
PAGE 1  
HOURS (LST)

STATION NAME  
CECIL FIELD, FL  
73-13  
NOV  
MONTH  
PAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
87/87																		1	1									
85/85																		4	4									
84/83																		19	19									
82/81																		48	48									
80/79																		65	65									
78/77																		84	84									
76/75																		93	93	2	4							
74/73																		106	106	24								
72/71																		126	126	63	15							
70/69																		193	193	155	52							
68/67																		196	196	207	139							
66/65																		164	164	220	165							
64/63																		161	161	197	199							
62/61																		149	149	182	194							
60/59																		136	136	170	185							
58/57																		128	128	137	143							
56/55																		104	104	134	134							
54/53																		78	78	117	127							
52/51																		99	99	95	96							
50/49																		78	78	94	104							
48/47																		81	81	104	80							
46/45																		56	56	103	69							
44/43																		43	43	100	97							
42/41																		45	45	64	85							
40/39																		27	27	58	79							
38/37																		28	28	41	72							
36/35																		25	25	40	54							
34/33																		24	24	36	44							
32/31																		7	7	25	57							
30/29																		3	3	10	66							
28/27																				3								
26/25																												
24/23																												
22/21																												
Element (X)	$\sum X^2$																		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.																						≥ 80 F	≥ 73 F	≥ 67 F	≥ 52 F	Total		
Dry Bulb																												
Wet Bulb																												
Dew Point																												

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION

STACY FIELD, FL  
STATION NAME

77-22

YEARS

**MONTH**

**PAGE 2**

HOURS (L.S.T.)

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

STATION CECIL FIELD, FL STATION NAME CECIL FIELD, FL YEARS 77-80 MONTH 01 C.F.C. 01  
 PAGE 1 HOURS (L.S.T.) 00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64 / 83							.1	.1	.1									5	5		
65 / 81							.1	.2	.1	.1								12	12		
66 / 79							.1	.3	.1	.1								21	21		
67 / 77							.1	.6	.1	.1								36	36		
68 / 75			.1	.2	.3	.5	.4	.1	.1	.1		.1						42	42		
69 / 73		.1	.5	.2	.7	.3	.5	.2	.1	.1	.1	.1						50	50	8	
70 / 71	.7	.4	.5	.6	.2	.2	.3	.1	.1	.1	.1	.1						64	64	18	4
71 / 69	.2	.3	.9	.5	.5	.1	.2	.2	.2	.2	.1	.1						89	89	54	29
72 / 67	.1	1.2	1.2	.5	.3	.2	.2	.2	.1	.2	.2	.2						102	102	64	48
73 / 65	.1	1.4	1.2	.6	.3	.3	.2	.3	.2	.2	.2	.2						120	120	101	54
74 / 63	.7	2.1	1.5	.7	.4	.2	.4	.2	.4	.3	.3	.3						162	162	120	116
75 / 61	.9	2.9	1.3	1.0	.5	.1	.2	.2	.2	.1	.1	.1						176	176	152	119
76 / 59	.3	2.1	1.4	.6	.4	.2	.2	.2	.3	.1								136	136	150	121
77 / 57	.3	1.9	1.2	.5	.7	.2	.4	.1	.1	.1								131	131	138	142
78 / 55	.7	1.7	1.3	.4	.6	.2	.2	.2	.1									118	118	119	118
79 / 53	.2	2.7	2.0	.8	.5	.5	.2	.2	.2									170	170	149	124
80 / 51	.2	1.7	1.2	.7	.6	.3	.2	.2	.1									123	123	133	121
81 / 49	.1	1.2	1.6	.8	.5	.3	.1	.1										111	111	144	124
82 / 47	.1	1.3	1.2	.9	.5	.2	.2	.2	.1									107	107	140	110
83 / 45	.6	1.5	1.3	1.2	.7	.5	.4	.2	.1									115	115	113	89
84 / 43	.1	1.0	1.7	1.0	.4	.1	.1	.1										106	106	131	85
85 / 41	.1	1.0	1.4	.9	.7	.2	.2											57	87	100	100
86 / 39	.0	1.2	1.0	.6	.2													82	82	121	105
87 / 37	.1	1.1	1.7	.7	.1													87	87	114	110
88 / 35	.0	.9	.3	.4														43	43	98	95
89 / 33	.1	.5	.6	.2														46	46	85	95
90 / 31	.7	.7	.4	.2														31	31	53	94
91 / 29	.5	.5	.5	.0														25	25	39	152
92 / 27	.3	.2	.2															14	14	37	82
93 / 25	.1	.1	.1															5	5	15	66
94 / 23			.0															1	1	4	39
95 / 21																				3	36
96 / 19																					25
97 / 17																					23
Element (X)	ΣX <sup>2</sup>			ΣX			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature					
Rel. Hum.																≤ 0 F    ≤ 32 F    ≥ 67 F    ≥ 80 F    ≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					



# PSYCHROMETRIC SUMMARY

STATION 930722 GEOG. FIELD, FL STATION NAME 77-32 YEARS MONTH ALL

PAGE 1 HOURS (L S Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point								
102/101																		4	4										
100/99																		21	21										
98/97																		53	53										
96/95																		114	114										
94/93																		300	300										
92/91																		489	489										
90/89																		639	639										
88/87																		844	844										
86/85																		923	923	1									
84/83																		1048	1048	8									
82/81																		1044	1044	50	2								
80/79																		1361	1361	392	25								
78/77																		1641	1641	1343	169								
76/75																		2081	2081	2165	714								
74/73																		2181	2181	2721	2097								
72/71																		2028	2028	2597	2964								
70/69																		1672	1672	2247	2551								
68/67																		1455	1455	1902	1923								
66/65																		1301	1301	1753	1659								
64/63																		1175	1175	1637	1726								
62/61																		1076	1076	1461	1575								
60/59																		951	951	1205	1420								
58/57																		856	856	1145	1214								
56/55																		772	772	1061	1179								
54/53																		754	754	947	1077								
52/51																		654	658	860	979								
50/49																		577	577	778	844								
48/47																		523	523	748	782								
46/45																		512	512	670	659								
44/43																		403	403	599	623								
42/41																		346	346	502	604								
40/39																		309	300	474	573								
38/37																		277	277	443	535								
36/35																		204	204	339	496								
Element (X)	ΣX																		ΣX		ΣX		ΣX		ΣX		ΣX		
Rel. Hum.																													
Dry Bulb																													
Wet Bulb																													
Dew Point																													
																		Mean No. of Hours with Temperature		≥ 80 F		≥ 73 F		≥ 67 F		≥ 93 F		Total	

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## PSYCHROMETRIC SUMMARY

STATION	57632
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74 OCT 13 1960

73-92

STATION NAME

YEARS

**ALL**

**MONTH**

PAGE 2

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION CECIL FIELD, FL

73-22

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	48.1	50.0	57.5	61.9	67.4	73.6	75.2	74.5	73.1	64.0	56.6	50.3	62.8
S.D.	11.262	10.260	9.526	6.488	4.606	3.216	2.923	2.513	3.401	7.645	10.093	10.843	12.299
TOTAL OBS	306	282	309	300	310	300	310	310	300	310	295	301	3633
MEAN	46.5	48.2	55.7	59.6	65.5	71.9	73.9	73.2	71.8	62.4	55.2	48.9	61.2
S.D.	11.630	10.804	9.465	6.904	5.315	3.240	2.900	2.485	3.476	7.883	10.559	11.307	12.586
TOTAL OBS	306	282	310	300	310	300	310	310	300	310	295	302	3635
MEAN	45.5	46.9	54.6	60.0	67.1	73.8	75.3	73.9	71.8	61.6	54.2	47.9	61.2
S.D.	11.270	11.181	10.078	6.999	4.899	3.288	3.056	2.558	3.775	8.022	10.809	11.750	13.501
TOTAL OBS	308	282	310	300	310	300	310	310	300	310	296	304	3640
MEAN	52.9	55.8	66.1	72.9	79.2	84.3	85.9	84.7	82.7	73.8	65.0	55.9	71.7
S.D.	11.335	10.486	8.824	6.253	4.908	4.119	3.534	3.470	4.633	6.907	9.057	10.152	13.877
TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	304	3641
MEAN	61.9	63.9	72.7	78.6	84.0	88.4	89.7	88.6	86.4	78.5	71.8	63.8	77.5
S.D.	11.747	10.946	9.217	6.754	5.494	5.564	5.402	4.650	5.073	6.709	8.586	10.192	12.659
TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	304	3642
MEAN	63.0	65.4	73.8	79.2	87.4	87.1	87.4	86.2	84.5	77.9	71.4	64.4	77.1
S.D.	11.505	10.782	9.097	7.083	6.250	6.547	7.170	6.180	5.950	6.704	7.954	9.584	11.931
TOTAL OBS	306	282	310	300	310	300	310	310	300	310	297	304	3641
MEAN	65.1	58.1	66.9	72.6	77.2	81.0	82.0	80.3	78.4	70.1	62.6	56.2	70.2
S.D.	10.408	9.538	8.053	6.069	5.247	5.366	5.411	4.459	3.859	6.083	8.269	9.278	11.970
TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	299	3636
MEAN	60.5	52.7	61.0	65.7	70.8	76.0	77.3	76.4	75.0	66.1	58.5	52.2	65.3
S.D.	10.670	7.714	8.155	5.655	4.248	3.456	3.267	2.941	3.384	7.003	9.556	10.187	11.991
TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	299	3636
MEAN	63.0	55.1	63.5	68.8	74.3	79.5	80.8	79.7	78.0	69.3	61.9	54.9	68.4
S.D.	12.948	12.325	11.378	9.987	8.743	7.600	7.340	6.879	6.983	9.570	11.447	12.026	14.100
TOTAL OBS	2451	2256	2479	2400	2480	2400	2480	2480	2400	2480	2371	2417	29104

# MEANS AND STANDARD DEVIATIONS

ACTUAL TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

CECIL FIELD, FL

73-92

STATION		STATION NAME														YEARS
HRS.(LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL		
1	MEAN	45.3	46.7	54.1	58.0	64.3	70.5	72.6	72.3	70.3	60.6	53.8	47.6	59.8		
	S. D.	11.812	10.529	9.109	6.684	5.060	3.016	2.369	2.031	3.682	7.876	10.578	11.408	12.571		
	TOTAL OBS	326	282	309	300	310	300	310	310	300	310	295	301	3633		
2	MEAN	44.0	45.4	52.6	56.4	62.9	69.5	71.9	71.3	69.4	59.3	52.6	46.5	58.6		
	S. D.	11.142	11.047	7.616	7.280	5.729	3.145	2.413	2.205	3.681	8.187	11.000	11.757	12.910		
	TOTAL OBS	306	282	310	300	310	300	310	310	300	310	295	302	3635		
3	MEAN	43.2	44.3	52.1	56.9	64.5	71.1	73.1	72.0	69.5	58.7	51.8	45.6	58.7		
	S. D.	12.692	11.414	10.306	7.387	5.407	3.158	2.503	2.244	4.073	8.332	11.214	12.062	13.700		
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	296	304	3640		
4	MEAN	40.6	50.3	58.6	62.7	69.2	74.8	77.0	76.4	74.6	65.4	58.9	51.3	64.1		
	S. D.	12.269	10.963	9.207	6.721	5.016	2.881	2.206	2.042	3.772	6.914	9.894	10.904	12.691		
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	304	3641		
5	MEAN	52.6	53.7	60.4	63.7	69.7	75.0	77.0	76.6	74.7	66.4	61.2	55.0	65.6		
	S. D.	11.159	10.068	8.447	6.125	4.813	2.901	2.489	1.985	3.175	6.147	8.710	10.001	11.195		
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	304	3642		
6	MEAN	52.0	53.0	60.7	63.8	69.4	74.3	76.3	75.6	73.9	66.1	60.9	55.2	65.3		
	S. D.	10.518	9.325	7.939	5.749	4.483	2.882	2.559	2.311	3.264	6.050	8.251	9.547	10.657		
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	304	3641		
7	MEAN	40.5	50.9	58.3	62.0	68.0	73.1	74.8	74.3	72.6	64.0	57.7	51.6	63.2		
	S. D.	10.678	9.459	7.973	5.547	4.390	2.936	2.382	2.195	3.188	6.493	6.966	9.881	11.365		
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	299	3636		
8	MEAN	45.0	48.3	56.2	59.9	66.1	71.6	73.5	73.1	71.3	62.0	55.4	49.1	61.2		
	S. D.	11.123	9.940	8.421	6.208	4.615	2.928	2.154	2.052	3.400	7.300	10.082	10.688	12.070		
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	299	3636		
ALL HOURS	MEAN	47.0	49.2	56.6	60.4	66.8	72.5	74.5	74.0	72.0	62.8	56.6	50.2	62.1		
	S. D.	12.057	10.893	9.469	7.038	5.542	3.560	3.055	2.895	4.124	7.752	10.459	11.338	12.473		
	TOTAL OBS	2461	2256	2479	2400	2480	2400	2480	2480	2400	2480	2371	2417	29104		

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

STATION NAME  
CECIL FIELD, FL

73-84

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	41.6	42.8	51.1	55.0	62.4	69.0	71.5	71.2	69.0	58.3	51.3	44.4	57.4
S.D.	14.47	12.55	10.69	7.94	5.95	3.52	2.55	2.33	4.36	8.99	12.15	13.41	14.16
TOTAL OBS	306	282	309	300	310	300	310	310	300	310	295	301	3633
MEAN	40.6	41.8	50.1	53.8	61.4	68.3	70.9	70.3	68.2	57.0	50.1	43.5	56.5
S.D.	14.87	13.05	11.37	8.55	6.61	3.53	2.51	2.49	4.55	9.32	12.55	13.77	14.50
TOTAL OBS	306	282	310	300	310	300	310	310	300	310	295	302	3635
MEAN	41.0	41.0	49.6	54.4	62.8	69.9	72.1	71.2	68.3	56.5	49.4	42.8	56.6
S.D.	15.17	13.43	11.79	8.66	6.39	3.56	2.62	2.48	4.69	9.38	12.74	13.87	15.16
TOTAL OBS	308	282	310	300	310	300	310	310	300	310	296	304	3640
MEAN	43.7	44.2	52.4	55.4	63.6	70.5	73.4	73.0	71.0	60.1	53.9	46.3	59.0
S.D.	16.26	14.38	12.65	10.10	7.33	3.82	2.83	2.46	4.57	8.99	13.03	14.15	14.95
TOTAL OBS	306	282	310	300	310	300	310	310	300	310	297	304	3641
MEAN	43.1	43.6	50.7	53.2	61.6	68.9	71.8	71.6	69.5	58.7	53.1	46.6	57.8
S.D.	15.12	14.65	12.71	10.16	7.87	4.11	3.26	2.82	4.56	9.02	12.33	14.21	14.67
TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	304	3642
MEAN	42.4	42.5	50.3	53.0	61.5	68.5	71.5	71.0	69.0	58.6	52.7	46.4	57.4
S.D.	15.72	14.26	12.43	9.83	7.75	4.20	3.42	2.93	4.70	9.20	12.78	14.35	14.67
TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	304	3641
MEAN	43.0	43.4	51.4	54.4	62.7	69.4	71.8	71.6	69.8	60.1	53.7	47.0	58.3
S.D.	16.25	13.01	11.14	8.62	6.83	4.06	2.78	2.40	4.14	8.06	11.19	12.49	13.82
TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	299	3636
MEAN	42.4	43.5	52.2	55.0	62.3	69.4	71.8	71.6	69.5	59.3	52.6	45.6	58.2
S.D.	16.07	12.30	10.41	7.93	5.95	3.59	2.44	2.29	4.06	8.42	11.78	12.68	13.82
TOTAL OBS	308	282	310	300	310	300	310	309	300	310	297	299	3635
MEAN	42.1	42.9	51.0	54.4	62.4	69.2	71.8	71.5	69.3	58.6	52.1	45.4	57.7
S.D.	16.15	13.42	11.70	9.04	6.91	3.68	2.89	2.63	4.53	9.00	12.48	13.70	14.50
TOTAL OBS	2461	2256	2472	2430	2480	2400	2480	2479	2400	2480	2371	2417	29103

NAVWEASERVCOM

22

PERIOD

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	21	100.0	100.0	100.0	97.4	93.5	88.6	77.5	57.2	20.3	79.2	306	
	24	100.0	100.0	100.0	99.0	95.4	88.2	50.4	61.1	28.8	81.0	306	
	27	100.0	100.0	99.7	99.4	96.4	90.3	79.2	63.6	30.2	91.7	308	
	10	100.0	100.0	99.4	92.9	83.4	72.4	56.5	37.7	17.5	71.5	308	
	17	100.0	98.4	87.1	72.5	52.0	33.7	20.1	10.4	4.2	53.3	309	
	18	100.0	96.1	81.2	67.5	45.5	28.9	16.2	17.1	2.9	50.4	308	
	19	100.0	100.0	98.7	92.2	78.6	64.3	42.2	20.1	4.9	65.9	308	
	22	100.0	100.0	100.0	96.8	90.0	82.1	67.9	41.6	11.0	74.8	308	
TOTALS		100.0	99.3	95.8	89.8	79.6	68.5	55.7	37.7	15.0	69.7	2461	

## OCEANAV-SMOS

834

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
SEP.	01	100.0	100.0	100.0	99.3	95.7	87.2	72.7	45.7	12.1	77.1	292
	04	100.0	100.0	100.0	99.6	96.1	89.6	78.4	56.4	16.0	79.3	292
	07	100.0	100.0	100.0	99.3	97.7	91.8	81.2	59.9	19.1	80.8	292
	10	100.0	100.0	99.6	91.8	79.1	61.7	45.7	25.2	7.8	66.9	292
	13	100.0	97.5	82.3	67.0	48.2	27.7	17.4	13.8	2.8	51.1	292
	16	100.0	95.0	74.8	56.7	37.6	25.5	17.4	11.7	2.8	47.5	292
	19	100.0	100.0	95.4	84.4	68.4	51.8	30.5	15.6	3.5	60.5	292
	22	100.0	100.0	100.0	99.7	90.1	77.9	60.6	29.8	5.7	72.1	292
TOTALS		1000	99.1	94.0	87.2	76.6	64.0	50.5	32.3	9.7	66.9	2256

# OCEANAV-SMOS

72-222

55

STATION

STATION NAME

**PERIOD**

**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
Jan	31	100.0	100.0	99.7	99.4	98.1	93.2	81.3	53.5	16.5	80.2	310
	34	100.0	100.0	100.0	99.7	98.1	93.2	86.8	63.5	20.3	82.3	310
	37	100.0	100.0	100.0	100.0	98.7	95.8	88.4	70.0	23.2	83.6	310
	40	100.0	100.0	98.1	89.4	75.5	54.8	37.1	17.7	6.8	63.4	310
	43	100.0	98.1	84.8	65.5	38.4	21.6	13.5	8.1	2.3	46.8	310
	46	100.0	97.1	79.7	59.7	34.8	23.2	13.9	9.0	2.3	47.1	310
	49	100.0	100.0	95.8	67.4	70.3	47.1	24.2	11.9	4.2	59.7	310
	52	100.0	100.0	99.7	99.0	92.6	95.5	63.2	31.9	9.0	73.8	310
TOTALS		100.0	99.4	94.7	67.5	75.2	64.3	51.1	33.2	10.6	67.4	2480

# OCEANAV-SMOS

257

**PERIOD**

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
APR.	11	100.0	100.0	100.0	99.7	98.7	96.3	83.7	46.7	3.3	76.7	300
	24	100.0	100.0	100.0	100.0	96.0	95.7	88.7	61.7	14.7	81.6	300
	17	100.0	100.0	100.0	100.0	98.0	95.7	89.3	63.7	16.3	82.3	300
	17	100.0	100.0	96.7	83.0	62.7	34.3	16.7	8.0	1.3	55.8	300
	17	100.0	77.0	79.7	57.0	24.0	11.3	6.3	3.3	.7	43.6	300
	17	100.0	77.0	74.7	51.0	23.7	12.7	8.3	4.0	.3	42.0	300
	17	100.0	100.0	96.3	79.7	58.7	73.3	15.0	7.7	1.3	54.8	300
	22	100.0	100.0	100.0	99.7	94.3	82.7	54.0	23.3	7.7	71.2	300
TOTALS		100.0	79.3	93.4	83.8	69.7	57.8	45.3	27.3	5.7	63.9	2400

# OCEANAV-SMOS



25-2

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STATION NAME

PERIOD

**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

**OCEANAV-SMOS**

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	01	100.0	100.0	100.0	100.0	100.0	99.7	96.7	77.7	25.7	85.8	300
	04	100.0	100.0	100.0	100.0	100.0	100.0	98.3	91.0	36.7	82.7	300
	07	100.0	100.0	100.0	100.0	100.0	100.0	97.3	86.0	34.3	87.8	300
	10	100.0	100.0	100.0	99.3	91.0	67.0	21.7	7.0	1.3	64.1	300
JUL	13	100.0	100.0	99.7	90.3	52.0	22.3	12.3	7.3	1.0	54.0	300
	16	100.0	100.0	99.3	83.3	50.3	30.0	19.3	12.0	2.3	56.1	300
	19	100.0	100.0	99.7	97.7	89.7	73.3	43.0	24.0	10.3	69.7	300
	22	100.0	100.0	100.0	100.0	99.7	98.3	83.3	53.3	14.0	80.7	300
TOTALS		100.0	100.0	99.8	95.3	56.5	73.6	59.0	44.8	15.7	73.4	2400

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STAY IN NAME

PERIOD

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**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	100.0	99.7	86.1	36.5	88.7	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	99.7	93.5	49.4	90.9	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.6	44.2	90.0	310
	10	100.0	100.0	100.0	100.0	98.7	76.1	29.4	5.4	1.3	66.9	310
	13	100.0	100.0	99.4	96.5	64.2	29.4	11.6	7.7	3.9	56.9	310
	16	100.0	100.0	99.7	91.3	63.4	45.2	27.7	20.0	10.3	61.8	310
	19	100.0	100.0	100.0	99.7	95.2	78.4	51.6	31.9	12.9	72.6	310
	22	100.0	100.0	100.0	100.0	100.0	99.7	91.3	66.5	23.0	83.7	310
TOTALS		100.0	100.0	99.7	96.4	90.0	70.0	63.7	57.6	22.8	76.5	2400

# OCEANAV-SMOS

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
6-12	01	100.0	100.0	100.0	100.0	100.0	100.0	99.4	90.0	47.4	89.8	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	99.4	94.2	53.2	91.1	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.7	93.5	56.8	91.4	310
	10	100.0	100.0	100.0	100.0	99.4	82.3	35.2	9.7	2.3	68.6	310
	13	100.0	100.0	100.0	98.7	75.5	30.6	14.2	7.4	1.9	58.5	310
	16	100.0	100.0	100.0	97.1	72.3	49.7	27.4	14.9	6.5	62.5	310
	19	100.0	100.0	100.0	100.0	99.7	92.3	63.2	36.1	13.9	76.1	310
	22	100.0	100.0	100.0	100.0	100.0	100.0	97.4	72.8	27.2	85.6	309
TOTALS		100.0	100.0	100.0	99.5	93.4	91.9	67.0	52.3	20.2	78.0	2479

## RELATIVE HUMIDITY

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12  
13  
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73,07313 11052

72-21

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A  
C

SYNOPSIS

STATION NAME

**PERIOD**

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	99.7	99.7	99.0	91.3	29.0	97.2	300
	04	100.0	100.0	100.0	100.0	100.0	99.7	98.3	87.7	34.0	88.5	300
	07	100.0	100.0	100.0	100.0	100.0	99.7	96.7	89.3	40.7	89.1	300
	10	100.0	100.0	100.0	99.7	97.7	81.0	34.0	12.3	2.3	68.4	300
	13	100.0	100.0	100.0	96.0	67.7	35.3	17.7	7.3	3.3	58.6	300
	16	100.0	100.0	99.7	95.3	74.7	46.0	27.0	16.3	5.7	61.7	300
	19	100.0	100.0	100.0	99.7	99.7	92.3	62.3	33.3	12.0	75.7	300
	22	100.0	100.0	100.0	100.0	100.0	99.7	95.3	62.3	21.0	83.5	300
TOTALS		100.0	100.0	100.0	98.8	92.4	81.7	66.5	46.7	18.5	76.6	2400

**OCEANAV-SMOS**

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION

CECIL FIELD, FL

73-72

OCT

MONTH

PERIOD

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	01	100.0	100.0	100.0	99.4	98.7	96.5	89.4	64.8	17.1	82.3	310
	02	100.0	100.0	100.0	99.7	98.7	96.3	90.0	68.1	19.0	83.1	310
	03	100.0	100.0	100.0	100.0	99.7	96.8	90.3	69.7	21.0	83.9	310
	04	100.0	100.0	100.0	96.1	85.2	63.0	29.4	9.7	.6	63.4	310
	05	100.0	99.7	94.5	60.0	52.6	25.5	11.6	4.2	.6	52.5	310
	06	100.0	99.7	93.6	60.6	57.4	27.1	15.8	6.5	1.9	53.5	310
	07	100.0	100.0	100.0	99.7	97.7	84.2	51.0	17.7	4.2	71.1	310
	08	100.0	100.0	100.0	100.0	99.4	96.5	82.3	46.8	9.0	79.0	310
TOTALS		100.0	99.9	98.5	94.4	96.2	72.9	57.5	35.9	9.2	71.1	2480

OCEANAV-SMOS

3  
NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

9.632 CECIL FIELD, FL

73-02

NOV

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.7	98.3	93.9	87.1	66.4	23.7	83.0	295
	04	100.0	100.0	100.0	99.7	98.6	94.2	88.1	69.8	24.7	83.5	295
	07	100.0	100.0	100.0	99.7	99.0	95.9	86.8	70.6	26.0	84.2	296
	10	100.0	100.0	99.7	94.6	85.9	73.1	50.8	25.9	7.1	68.9	297
	13	100.0	99.0	92.3	81.1	58.9	31.3	16.8	7.7	1.3	54.0	297
	16	100.0	99.0	89.6	76.8	56.9	35.0	19.5	9.1	2.4	54.5	297
	19	100.0	100.0	100.0	98.0	94.6	86.9	61.6	33.3	5.1	73.6	297
	22	100.0	100.0	100.0	99.7	97.6	94.3	86.5	59.9	16.5	81.4	297
TOTALS		100.0	99.8	97.7	93.7	86.0	75.6	52.2	42.8	11.4	72.9	2371

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION 0000 FIELD, FL

72-82

DEC

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	97.7	91.0	82.7	56.8	23.3	81.0	301
	04	100.0	100.0	100.0	100.0	98.7	92.1	82.8	63.2	24.2	82.3	302
	07	100.0	100.0	100.0	100.0	99.7	94.4	85.5	65.8	27.3	83.2	304
	10	100.0	100.0	99.7	97.4	86.8	71.7	54.6	34.5	15.8	71.9	304
	13	100.0	100.0	92.1	78.6	59.9	38.2	23.7	15.5	4.3	56.8	304
	16	100.0	99.0	87.8	71.4	57.9	33.5	25.7	14.8	4.3	55.5	304
	19	100.0	100.0	100.0	98.7	91.3	80.9	59.2	29.8	9.7	72.5	299
	22	100.0	100.0	100.0	100.0	96.3	91.6	77.3	49.5	19.7	79.2	299
TOTALS		100.0	99.9	97.9	93.3	86.0	74.8	61.4	41.2	16.1	72.8	2417

OCEANAV-SMOS



3  
NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION CECIL FIELD, FL

73-82

ALL

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.3	95.8	89.8	79.6	68.5	55.0	37.7	15.0	69.7	2461
FEB		100.0	99.1	94.0	87.2	76.6	64.0	50.5	32.3	8.7	66.9	2256
MAR		100.0	99.4	94.7	87.5	75.8	64.3	51.1	33.2	10.6	67.4	2480
APR		100.0	99.3	93.4	83.8	69.7	57.8	45.3	27.3	5.7	63.9	2400
MAY		100.0	99.9	97.3	90.4	79.2	66.3	54.5	39.1	13.4	69.8	2480
JUN		100.0	100.0	99.8	96.3	86.5	73.8	59.0	44.8	15.7	73.4	2400
JUL		100.0	100.0	99.9	98.4	90.9	75.6	63.9	50.6	22.8	76.5	2480
AUG		100.0	100.0	100.0	99.5	93.4	81.9	67.0	52.3	26.2	78.0	2479
SEP		100.0	100.0	100.0	98.3	92.4	81.7	66.5	48.7	18.5	76.6	2400
OCT		100.0	99.9	98.5	94.4	86.2	72.9	57.5	35.9	9.2	71.1	2490
NOV		100.0	99.8	97.7	93.7	86.2	75.6	62.2	42.8	13.4	72.9	2371
DEC		100.0	99.9	97.5	93.3	86.0	74.8	61.4	41.2	16.1	72.8	2417
TOTALS		100.0	99.7	97.4	92.8	83.5	71.7	57.8	40.5	14.6	71.6	29104

OCEANAV-SMOS

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION FIELD, FL JANUARY 1973-DECEMBER 1982 MONTH JANUARY

STATION NAME

STATION

STATION

STATION

STATION

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				6.3	25.0	57.0	16.8			16	.7
77 TO 81		1.4	5.7	2.9	20.0	31.4	35.7	1.4	1.4	72	2.8
72 TO 76	1.7	2.1	3.1	13.4	23.7	27.8	20.6	5.2	3.1	97	3.6
67 TO 71	3.0	9.2	8.6	5.4	17.8	25.4	17.8	4.3	7.6	185	7.5
62 TO 66	5.7	7.3	11.7	11.4	15.2	16.5	14.9	7.9	9.2	315	12.8
57 TO 61	6.3	17.3	8.1	5.1	13.1	7.2	14.9	10.1	17.9	335	13.6
52 TO 56	16.9	16.0	9.2	2.3	5.2	5.7	13.8	11.5	19.5	349	14.2
47 TO 51	15.8	15.4	5.7	3.7	2.3	3.1	16.8	17.4	19.8	298	12.1
42 TO 46	19.5	10.1	4.1	1.1	1.5	2.2	19.1	24.7	17.6	267	10.9
37 TO 41	23.4	3.1	.4	.9	.4	3.4	15.7	26.0	21.7	235	9.6
32 TO 36	23.7	6.9	1.2		1.2	2.9	16.2	23.1	24.9	173	7.0
27 TO 31	24.7	3.2				3.2	16.3	35.5	15.1	93	3.8
22 TO 26	15.2	4.5				4.5	22.7	31.8	18.2	22	.9
17 TO 21							25.0	25.0	50.0	4	.2
12 TO 16									100.0	1	.0
7 TO 11											
2 TO 6											
1 TO 1											
TOTALS	17.3	10.0	5.1	4.2	.3	9.4	16.9	15.2	16.1	246	100.0

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

## WIND DIRECTION

Cecil Field, FL

JANUARY 1973-DECEMBER 1982

MONTH

STATION NAME

YEAR

MO. RE. U.S.T.

## WIND DIRECTION

TEMP.	NW & N	ENE & NE	ESE & SE	SSE & S	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120									
110									
100									
90									
80									
70									
60									
50									
40									
30									
20									
10									
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									
170									
180									
190									
200									
210									
220									
230									
240									
250									
260									
270									
280									
290									
300									
310									
320									
330									
340									
350									
360									
TOTALS	12.5	11.4	9.5	3.3	7.1	17.9	15.1	2294	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

RECON FIELD, FL

JANUARY 1973-DECEMBER 1982

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	WIND & N	WIND & NE	ENE & E	ESS & SE	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
100.0										
101.0										
102.0										
103.0										
104.0										
105.0										
106.0										
107.0										
108.0										
109.0										
110.0										
111.0										
112.0										
113.0										
114.0										
115.0										
116.0										
117.0										
118.0										
119.0										
120.0										
121.0										
122.0										
123.0										
124.0										
125.0										
126.0										
127.0										
128.0										
129.0										
130.0										
131.0										
132.0										
133.0										
134.0										
135.0										
136.0										
137.0										
138.0										
139.0										
140.0										
141.0										
142.0										
143.0										
144.0										
145.0										
146.0										
147.0										
148.0										
149.0										
150.0										
TOTALS	100.0	7.1	15.2	9.7	17.2	11.7	16.2	9.0	13.2	2479
										100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

WIND DIRECTION

STATION: ALCO FIELD, FL YEAR: JANUARY 1973-DECEMBER 1982 MONTH: APRIL

NO. OF  
OBS.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ENE & E	ESS & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
100-110											
110-120											
120-130											
130-140											
140-150											
150-160											
160-170											
170-180											
180-190											
190-200											
200-210											
210-220											
220-230											
230-240											
240-250											
250-260											
260-270											
270-280											
280-290											
290-300											
300-310											
310-320											
320-330											
330-340											
340-350											
350-360											
360-370											
370-380											
380-390											
390-400											
400-410											
410-420											
420-430											
430-440											
440-450											
450-460											
460-470											
470-480											
480-490											
490-500											
500-510											
510-520											
520-530											
530-540											
540-550											
550-560											
560-570											
570-580											
580-590											
590-600											
TOTALS	6.3	6.2	14.1	9.6	8.2	11.0	14.9	7.7	19.9	24.7	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: FORT PIERCE, FL

YEAR: JANUARY 1973-DECEMBER 1982

MONTH: MAY

STATION: FORT PIERCE, FL

YEAR: JAN

MONTH: MAY

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						33.3	65.7				.1
92 TO 96	2.4	2.4	14.6	17.1	12.2	17.1	22.0	12.2		41	1.7
87 TO 91	4.5	5.5	14.0	12.0	8.0	16.5	26.0	6.7	5.5	200	8.1
82 TO 86	2.5	4.5	23.1	13.5	10.9	14.2	21.3	6.7	4.2	359	14.5
77 TO 81	2.9	4.7	24.7	21.0	12.3	8.7	14.7	5.6	5.2	781	31.4
72 TO 76	4.4	7.6	16.6	16.2	14.6	7.2	11.7	5.2	17.5	458	18.5
67 TO 71	6.3	7.2	8.2	9.2	10.9	8.7	13.7	3.8	31.5	585	23.6
62 TO 66	10.6	6.5	2.7	1.7	3.8	6.5	13.7	4.1	57.5	293	11.8
57 TO 61	14.4	3.2	2.4		.6	3.2	6.4	2.4	67.2	125	5.0
52 TO 56	6.7	6.7					20.0	3.3	63.3	30	1.2
47 TO 51							20.0		80.0	5	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
13 TO 9											
18 TO 14											
23 TO 19											
28 TO 24											
33 TO 29											
38 TO 34											
43 TO 39											
48 TO 44											
53 TO 49											
TOTALS	3.7	6.1	14.0	11.6	10.1	9.4	15.3	5.0	22.0	240	10.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: FILL, FL

JANUARY 1973-DECEMBER 1982

MONTH: JUNE

STATION: FILL, FL

JANUARY 1973-DECEMBER 1982

YEAR:

MONTH: JUNE

HOURS: 24

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122										
123										
124										
125										
126										
127	4.3	13.0	21.7	4.3	4.3	21.7	4.3	4.3	27	1.0
128	6.4	3.9	11.0	7.0	10.6	20.2	11.6	5.2	172	7.2
129	5.0	4.3	13.0	5.9	12.5	23.5	9.2	5.2	327	13.6
130	3.3	8.0	25.3	3.3	9.0	23.6	5.9	7.8	309	16.6
131	3.3	10.4	14.4	11.6	13.7	14.4	2.9	15.3	450	18.9
132	6.6	9.7	7.5	4.6	14.7	17.0	2.6	27.3	631	28.4
133	13.9	12.1	1.5	3.3	9.1	10.0	5.1	35.3	331	13.8
134	29.4		5.9			17.6	5.9	41.2	17	.7
135										
136										
137										
138										
139										
140										
141										
142										
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145										
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188										
189										
190										
191										
192										
193										
194										
195										
196										
197										
198										
199										
TOTALS	6.4	8.7	12.7	5.4	11.3	11.1	15.1	15.2	2407	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION

JANUARY 1973-DECEMBER 1982

MONTH

JULY

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106	11.4	2.3	2.3	4.5	13.6	47.7	11.4	4.5	44	1.8
97 TO 101	3.1	4.4	14.1	3.6	15.1	25.1	7.3	7.0	727	9.2
92 TO 96	4.5	5.9	17.6	9.6	12.6	21.7	5.6	7.8	374	15.1
87 TO 91	2.1	7.3	16.2	13.1	14.2	21.2	5.1	5.4	373	15.0
82 TO 86	3.2	7.1	11.4	6.5	11.3	21.1	2.8	20.6	535	21.6
77 TO 81	4.9	6.0	4.6	4.7	15.6	12.3	3.2	37.7	902	32.3
72 TO 76	7.6	6.3	3.4	2.5	15.3	5.1	5.1	41.5	118	4.4
67 TO 71					28.6	14.3		57.1	7	.7
62 TO 66										
57 TO 61										
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
3 TO 7										
8 TO 11										
12 TO 15										
16 TO 19										
20 TO 23										
24 TO 27										
28 TO 31										
32 TO 35										
36 TO 39										
40 TO 43										
44 TO 47										
48 TO 51										
52 TO 55										
56 TO 59										
60 TO 63										
64 TO 67										
68 TO 71										
72 TO 75										
76 TO 79										
80 TO 83										
84 TO 87										
88 TO 91										
92 TO 95										
96 TO 99										
TOTALS	101	5.3	1.6	3.6	12.9	12.7	1.6	21.1	240	130.9



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

16084 4432 54321

STATION: FILL, FL. DATE: JANUARY 1972-70 CUMULATED 1932 MONTH: AUGUST

HOURS: 15.70

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESS & SE	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
102										
103 TO 104										
105 TO 106										
107 TO 108										
109 TO 110										
111 TO 112										
113 TO 114	12.4	7.5	19.1	13.2	2.0	27.6	7.4	5.1	130	5.3
115 TO 116	3.1	7.7	14.4	13.1	10.3	27.6	7.4	5.1	130	5.5
117 TO 118	4.7	8.9	11.1	13.1	8.1	12.0	4.4	6.0	302	15.4
119 TO 120	5.6	13.3	11.2	12.6	11.0	7.7	3.4	6.0	414	16.7
121 TO 122	5.4	10.7	19.2	9.1	13.0	7.0	2.7	23.6	454	19.6
123 TO 124	11.4	11.3	5.5	4.4	3.3	7.1	2.4	43.9	958	34.6
125 TO 126	11.5	5.3	4.7	5.2	7.4	9.9	9.2	40.8	191	7.7
127 TO 128	16.7	16.7						16.7	6	0.2
129 TO 130										
131 TO 132										
133 TO 134										
135 TO 136										
137 TO 138										
139 TO 140										
141 TO 142										
143 TO 144										
145 TO 146										
147 TO 148										
149 TO 150										
151 TO 152										
153 TO 154										
155 TO 156										
157 TO 158										
159 TO 160										
161 TO 162										
163 TO 164										
165 TO 166										
167 TO 168										
169 TO 170										
171 TO 172										
173 TO 174										
175 TO 176										
177 TO 178										
179 TO 180										
181 TO 182										
183 TO 184										
185 TO 186										
187 TO 188										
189 TO 190										
191 TO 192										
193 TO 194										
195 TO 196										
197 TO 198										
199 TO 200										
TOTALS	10.2	17.1	5.9	15.4	7.7	2.9	2.4	23.2	2400	100.0

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: FIDLY, FL

YEAR: JANUARY 1973-DECEMBER 1982

MONTH: SEPTEMBER

HOURS: 157

TEMP.	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL
	WIND S.W.	N.W.	N.E.	E.	E.S.E.	S.E.	S.S.W.	W.S.W.	W.N.W.	CALM		
120												
10 TO 12												
12 TO 15												
15 TO 18												
18 TO 20												
20 TO 22												
22 TO 24												
24 TO 26												
26 TO 28												
28 TO 30												
30 TO 32												
32 TO 34												
34 TO 36												
36 TO 38												
38 TO 40												
40 TO 42												
42 TO 44												
44 TO 46												
46 TO 48												
48 TO 50												
50 TO 52												
52 TO 54												
54 TO 56												
56 TO 58												
58 TO 60												
60 TO 62												
62 TO 64												
64 TO 66												
66 TO 68												
68 TO 70												
70 TO 72												
72 TO 74												
74 TO 76												
76 TO 78												
78 TO 80												
80 TO 82												
82 TO 84												
84 TO 86												
86 TO 88												
88 TO 90												
90 TO 92												
92 TO 94												
94 TO 96												
96 TO 98												
TOTALS	12.0	16.0	1.3	7.2	6.1	5.7	7.0	5.0	22.2	24.2	100.0	

NAVWEASERVCOM

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

## WIND DIRECTION

STATION

JANUARY 1973-DECEMBER 1982

MONTH

YEAR

CROSS REF.

MOORE, U.S.T.

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	13.5	7.7	13.5	9.6	7.7	13.5	26.9	5.8	1.9	52	2.1
82 TO 86	5.6	12.8	34.7	12.2	4.6	6.1	17.3	4.1	2.6	196	7.9
77 TO 81	5.3	26.2	71.7	8.2	5.2	5.5	7.1	5.5	2.5	325	13.1
72 TO 76	17.6	25.4	19.7	4.8	3.7	2.4	6.7	5.1	13.7	461	18.6
67 TO 71	26.3	25.5	6.7	2.6	2.3	1.6	6.3	6.5	17.7	565	22.8
62 TO 66	34.3	20.3	1.5	1.0	2.0	.8	5.5	6.3	27.3	400	16.1
57 TO 61	36.2	17.0	.9		.9		8.3	12.3	22.9	218	8.9
52 TO 56	32.4	12.3			2.5	2.5	11.3	5.6	33.1	142	5.7
47 TO 51	10.0	3.3			2.5	5.5	6.3	15.0	37.5	80	3.2
42 TO 46	13.3				3.3	13.3	15.0	13.3	46.7	30	1.2
37 TO 41							25.6	14.3	57.1	7	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -9											
-16 TO -14											
-20 TO -17											
-24 TO -24											
-28 TO -26											
-32 TO -30											
-36 TO -34											
-40 TO -37											
-44 TO -42											
-48 TO -46											
-52 TO -50											
-56 TO -54											
-60 TO -58											
-64 TO -62											
-68 TO -66											
-72 TO -70											
-76 TO -74											
-80 TO -78											
-84 TO -82											
-88 TO -86											
-92 TO -90											
-96 TO -94											
-100 TO -98											
TOTALS	23.2	21.4	12.7	3.9	3.1	3.0	5.5	5.5	17.3	2400	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: FIDLY, FL

JANUARY 1977-DECEMBER 1982

NOVEMBER

HOURS: L.S.T.

MONTH

YEAR

## WIND DIRECTION

TEMP.	NNE & N	NNE & NE	E & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91					100.0				1	0.0
82 TO 86	2.4	9.3	12.2	29.3	31.7	9.8	2.4	2.4	41	1.7
77 TO 81	3.9	22.3	20.1	16.2	9.5	15.6	5.6	2.9	170	7.5
72 TO 76	5.2	16.7	25.5	9.4	12.0	6.4	4.5	7.5	267	11.3
67 TO 71	10.5	26.2	15.4	7.8	9.5	8.1	4.3	15.2	447	19.9
62 TO 66	18.4	22.1	10.0	3.5	7.7	7.7	7.7	17.2	422	17.0
57 TO 61	27.4	18.8	4.5	1.2	4.2	6.8	10.4	24.1	336	14.0
52 TO 56	30.7	16.8	3.8	.4	1.7	6.7	18.1	20.2	239	10.0
47 TO 51	23.2	11.7	2.5	.5	.5	8.9	15.3	32.2	202	8.5
42 TO 46	25.5	7.3	.8	1.6	.5	9.7	15.3	38.7	124	5.2
37 TO 41	16.7	1.3				9.3	16.0	46.7	75	3.2
32 TO 36	14.8	5.6				1.9	13.0	59.3	54	2.3
27 TO 31	20.0	20.0				20.0		40.0	5	.2
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-63 TO -59										
-68 TO -64										
-73 TO -69										
-78 TO -74										
-83 TO -79										
-88 TO -84										
-93 TO -89										
-98 TO -94										
-103 TO -99										
TOTALS	7.1	18.4	15.1	6.1	6.6	5.1	7.3	14.9	2771	17.0

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# 3 PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: WHEEL FIELD, FL YEAR: JANUARY 1971-DECEMBER 1992 MONTH: DECEMBER

HOURS: U.S.T.

## WIND DIRECTION

TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
121 TO 122											
120 TO 121											
119 TO 120											
118 TO 119											
117 TO 118											
116 TO 117											
115 TO 116											
114 TO 115											
113 TO 114											
112 TO 113											
111 TO 112											
110 TO 111											
109 TO 110											
108 TO 109											
107 TO 108											
106 TO 107											
105 TO 106											
104 TO 105											
103 TO 104											
102 TO 103											
101 TO 102											
100 TO 101											
99 TO 100											
98 TO 99											
97 TO 98											
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95 TO 96											
94 TO 95											
93 TO 94											
92 TO 93											
91 TO 92											
90 TO 91											
89 TO 90											
88 TO 89											
87 TO 88											
86 TO 87											
85 TO 86											
84 TO 85											
83 TO 84											
82 TO 83											
81 TO 82											
80 TO 81											
79 TO 80											
78 TO 79											
77 TO 78											
76 TO 77											
75 TO 76											
74 TO 75											
73 TO 74											
72 TO 73											
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42 TO 43											
41 TO 42											
40 TO 41											
39 TO 40											
38 TO 39											
37 TO 38											
36 TO 37											
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18 TO 19											
17 TO 18											
16 TO 17											
15 TO 16											
14 TO 15											
13 TO 14											
12 TO 13											
11 TO 12											
10 TO 11											
9 TO 10											
8 TO 9											
7 TO 8											
6 TO 7											
5 TO 6											
4 TO 5											
3 TO 4											
2 TO 3											
1 TO 2											
0 TO 1											
TOTALS	14.4	13.5	6.5	4.2	7.7	7.4	13.9	13.1	19.4	2417	100.0

NAVWEASERVCOM

vs.

14884 4432 - 54321

7-11-66

JAVILAN 1973-DECEMBER 1982

77:

## STATION

**Figure 1**

REF AHS

NON-2

NO-95 -5.7.

WIND DIRECTION												
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL	
122												
112 TO 121												
112 TO 119												
107 TO 111												
102 TO 106												
97 TO 101	9.0	5.1	11.5	7.7	3.9	12.8	38.5	7.7	3.8	71	.3	
92 TO 96	4.4	3.9	14.5	13.0	9.0	15.0	24.6	10.1	5.4	654	2.2	
87 TO 91	5.6	7.2	21.8	12.6	9.2	11.1	19.3	6.1	6.2	1732	6.0	
82 TO 86	3.8	9.2	24.5	12.3	10.8	11.9	17.1	5.2	5.3	2479	8.5	
77 TO 81	4.0	9.6	19.5	12.0	11.7	12.3	15.0	3.6	12.0	3534	12.2	
72 TO 76	8.4	11.5	10.9	7.6	11.2	9.8	10.8	4.2	25.5	5376	18.5	
67 TO 71	11.2	12.2	9.8	7.3	10.6	10.2	12.2	5.7	20.2	4041	13.9	
62 TO 66	12.2	12.6	10.7	5.5	8.9	8.5	12.1	7.5	21.5	3951	10.5	
57 TO 61	14.8	15.1	7.5	3.2	6.0	5.2	12.1	10.5	25.5	2397	7.9	
52 TO 56	18.1	16.8	6.2	1.7	3.6	3.9	12.6	11.1	26.0	1893	6.5	
47 TO 51	19.8	13.5	4.2	1.2	1.9	2.2	12.6	17.1	26.7	1399	4.9	
42 TO 46	21.8	10.7	2.4	.6	1.8	3.2	15.2	18.9	25.3	1107	3.6	
37 TO 41	22.3	8.2	.8	.4	.9	2.3	14.8	18.1	31.6	744	2.6	
32 TO 36	23.9	4.1	.6	.2	1.1	1.9	14.3	19.4	34.5	469	1.6	
27 TO 31	23.9	2.9			1.0	1.9	15.3	32.5	22.5	209	.7	
22 TO 26	21.2	3.0				3.0	19.2	30.3	24.2	33	.1	
17 TO 21							25.0	25.0	50.0	4	.0	
12 TO 16									100.0	1	.0	
7 TO 11												
2 TO 6												
-3 TO 1												
-8 TO -4												
-13 TO -9												
-18 TO -14												
-23 TO -19												
-28 TO -24												
-33 TO -29												
-38 TO -34												
-43 TO -39												
-48 TO -44												
-53 TO -49												
-58 TO -54												
-63 TO -59												
TOTALS	11.0	11.3	11.9	7.0	8.5	11.7	18.7	8.0	19.7	291.1	100.0	

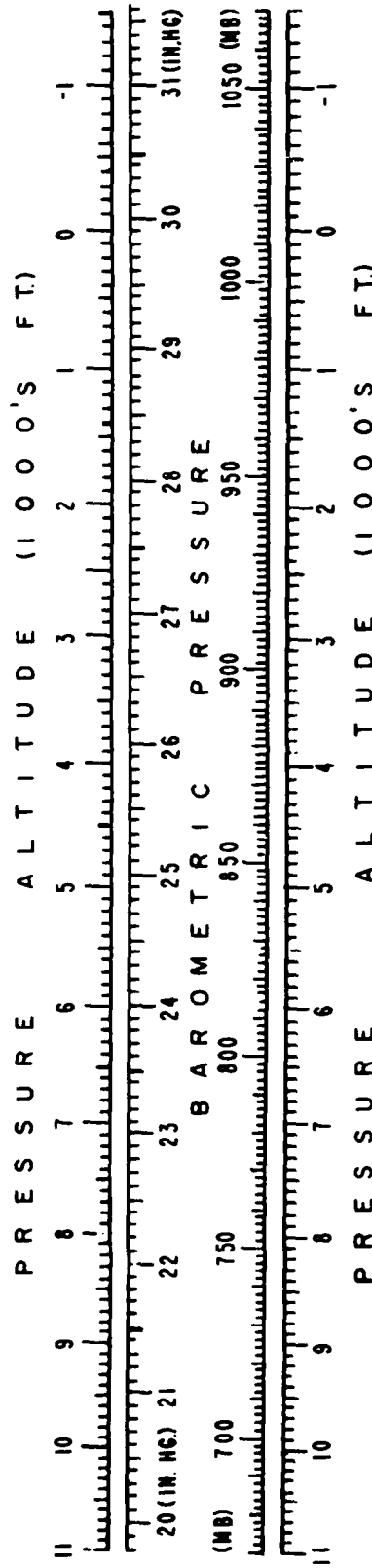
NAVWEASERVCOM

## PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-82

CECIL FIELD, FL

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
1	MEAN	1020.3	1020.0	1018.0	1018.1	1015.4	1016.3	1017.3	1017.7	1016.0	1017.7	1019.6	1020.3	1018.0											
	S. D.	5.653	5.256	5.441	4.945	3.620	2.941	2.472	2.483	2.673	3.675	3.887	5.260	4.491											
	TOTAL OBS	306	282	309	300	310	300	310	310	300	310	295	301	3633											
4	MEAN	1020.0	1019.5	1017.2	1017.4	1014.8	1015.7	1016.6	1017.0	1015.3	1017.2	1019.3	1020.0	1017.5											
	S. D.	5.840	5.317	5.494	5.064	3.645	2.958	2.513	2.521	2.999	3.680	3.925	5.227	4.586											
	TOTAL OBS	306	282	310	300	310	300	310	310	300	310	295	302	3635											
7	MEAN	1020.5	1020.3	1018.3	1018.6	1016.0	1016.7	1017.6	1017.9	1016.3	1018.1	1020.1	1020.5	1018.4											
	S. D.	5.798	5.357	5.480	5.065	3.638	2.953	2.483	2.487	3.077	3.679	3.941	5.291	4.534											
	TOTAL OBS	303	282	310	300	310	300	310	310	300	310	296	304	3640											
11	MEAN	1022.0	1021.6	1019.4	1019.4	1016.6	1017.3	1018.3	1018.8	1017.2	1019.2	1021.2	1021.9	1019.4											
	S. D.	5.930	5.502	5.607	5.203	3.802	3.090	2.578	2.566	3.128	3.827	4.057	5.323	4.731											
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	304	3641											
1	MEAN	1020.2	1020.2	1018.3	1018.3	1015.7	1016.5	1017.6	1017.9	1016.1	1017.8	1019.4	1020.1	1018.2											
	S. D.	5.811	5.485	5.554	5.186	3.773	3.017	2.528	2.523	3.041	3.881	4.069	5.350	4.590											
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	297	304	3642											
1	MEAN	1019.0	1018.5	1016.5	1016.7	1014.2	1015.1	1016.2	1016.5	1014.6	1016.7	1018.4	1019.0	1016.8											
	S. D.	5.699	5.580	5.612	5.221	3.853	3.094	2.611	2.521	2.991	3.981	4.107	5.345	4.634											
	TOTAL OBS	305	282	310	300	310	300	310	310	300	310	297	304	3641											
12	MEAN	1020.0	1019.2	1017.0	1017.0	1014.5	1015.6	1016.6	1016.9	1015.3	1017.4	1019.3	1020.0	1017.4											
	S. D.	5.536	5.464	5.502	5.161	3.694	3.020	2.529	2.492	2.899	3.914	4.004	5.204	4.610											
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	299	3636											
12	MEAN	1020.8	1020.3	1018.3	1018.2	1015.8	1016.7	1017.7	1018.2	1016.5	1018.3	1020.1	1020.7	1018.5											
	S. D.	5.644	5.393	5.399	5.058	3.596	2.956	2.543	2.474	2.902	3.756	4.039	5.171	4.518											
	TOTAL OBS	308	282	310	300	310	300	310	310	300	310	297	299	3636											
ALL HOURS	MEAN	1020.4	1019.9	1017.9	1018.0	1015.4	1016.2	1017.3	1017.6	1015.9	1017.8	1019.7	1020.3	1018.0											
	S. D.	5.794	5.479	5.573	5.178	3.778	3.070	2.613	2.603	3.071	3.860	4.072	5.319	4.648											
	TOTAL OBS	2461	2256	2400	2400	2480	2400	2480	2480	2400	2480	2371	2417	29104											



# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

Cecil Field, FL

73-82

STATION	HRS.(L.S.T.)	STATION NAME												YEARS					ANNUAL
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.						
1	MEAN	31.054	30.044	29.986	29.987	29.909	29.936	29.965	29.977	29.927	29.976	.031	30.052	29.986					
	S.D.	.168	.155	.160	.146	.107	.087	.074	.074	.085	.108	.114	.155	.132					
	TOTAL OBS	306	262	310	300	310	300	310	310	300	310	295	301	3634					
2	MEAN	31.042	30.028	29.961	29.967	29.890	29.918	29.945	29.956	29.907	29.961	30.023	30.044	29.970					
	S.D.	.171	.157	.162	.149	.108	.088	.075	.075	.089	.108	.115	.154	.135					
	TOTAL OBS	306	262	310	300	310	300	310	310	300	310	295	302	3635					
3	MEAN	31.040	30.052	29.995	30.003	29.927	29.947	29.974	29.983	29.934	29.988	30.046	30.059	29.997					
	S.D.	.171	.153	.162	.149	.107	.088	.074	.074	.091	.108	.116	.156	.134					
	TOTAL OBS	306	262	310	300	310	300	310	310	300	310	296	304	3640					
4	MEAN	31.104	30.061	30.027	30.028	29.944	29.963	29.995	30.008	29.962	30.020	30.080	30.100	30.026					
	S.D.	.175	.162	.166	.154	.112	.092	.077	.076	.092	.112	.119	.157	.140					
	TOTAL OBS	308	262	310	300	310	300	310	310	300	310	297	304	3641					
5	MEAN	31.049	30.050	29.993	29.996	29.916	29.941	29.973	29.981	29.931	29.979	30.028	30.047	29.990					
	S.D.	.171	.162	.164	.153	.111	.090	.076	.075	.090	.114	.120	.158	.135					
	TOTAL OBS	309	262	310	300	310	300	310	310	300	310	297	304	3642					
6	MEAN	31.014	29.999	29.940	29.946	29.873	29.901	29.933	29.941	29.890	29.948	29.997	30.015	29.950					
	S.D.	.168	.165	.166	.154	.114	.092	.076	.075	.089	.117	.121	.158	.137					
	TOTAL OBS	306	262	310	300	310	300	310	310	300	310	297	304	3641					
7	MEAN	31.043	30.021	29.956	29.955	29.883	29.915	29.944	29.953	29.907	29.968	30.023	30.043	29.967					
	S.D.	.163	.161	.163	.152	.109	.090	.075	.075	.086	.115	.118	.154	.136					
	TOTAL OBS	312	262	310	300	310	300	310	310	300	310	297	299	3636					
8	MEAN	31.069	30.052	29.993	29.992	29.920	29.947	29.977	29.990	29.941	29.995	30.047	30.064	29.999					
	S.D.	.166	.159	.159	.149	.106	.090	.076	.073	.086	.110	.119	.153	.133					
	TOTAL OBS	318	262	310	300	310	300	310	310	300	310	297	299	3636					
ALL HOURS	MEAN	31.054	30.042	29.981	29.984	29.908	29.932	29.963	29.974	29.925	29.979	30.034	30.053	29.986					
	S.D.	.170	.162	.165	.152	.112	.092	.077	.077	.091	.113	.120	.157	.137					
	TOTAL OBS	2461	2254	2480	2400	2480	2400	2400	2480	2400	2480	2371	2417	29175					

**END**

**FILMED**

**4-85**

**DTIC**